Hilal Ahmad Ganie

Software Engineer

Fresher



Social Links

Hilalahmadcodedev123@gmail.com

https://hila-11.com

https://github.com/hilal-11

www.linkedin.com/in/hilal-ab5466347

+91 8491971794

Education

Bachlors in Computer Science(BCA) from kashmir University.

Complitation Year: 2025

Delhi - Noida Sector 62

Fresher

Summery

Software developer working with React, Next.js, Node.js, and PostgreSQL/MongoDB. I learn by building: I have designed, developed, and deployed complete web applications on my own, handling everything from database design and APIs to the user interface and deployment. Outside of code, I am drawn to cinema, storytelling, and video games, which shape how I think about design and user experience. Curious, quietly ambitious, and eager to grow in a strong engineering team.

Technical Skills

- Javascript/Typescript | SQL | C++ | Python
- **Data structures and Algorithms(C++)**
- **React.js** — Experienced in building dynamic, component-based user interfaces with hooks, **context API**, and **state management** libraries **(Zustand)**. Skilled in optimizing performance through memoization, **lazy loading**, and code splitting. Strong understanding of component lifecycle, **custom hooks**, and building reusable, scalable UI architectures.
- **Next JS** + Typescript **Server-Side Rendering** (SSR), **Client Side Rendering (CSR)**, Incremental Static Regeneration **(ISR)**, **API Routes**, Middleware, **dynamic routing**, image/font optimization. Experience with **authentication**(Custom Authentication system, Oauth, AuthJS)
- **Auth.js, and Better Auth. Authentication** — Strong hands-on experience implementing secure authentication systems using **OAuth, JWT**, and **session-based flows**, along with custom auth solutions built from scratch. Skilled across multiple providers and libraries including **Clerk**, **Supabase Auth, Firebase Auth, Auth.js, and Better Auth** — choosing the right approach based on project needs, scalability, and security requirements.
- **Node Js | Express | Nest js**
- RESTful APIs | GraphQL | WebSockets | **Socket.IO**
- **Databases** (MongoDB, Postgress, Supabase, Firebase) with ORM(Mongoose, Prisma and Drizzle) + **Vector Databases for AI** (Pinecone, Chroma, **pgvector**)
- **GenAI and Agentic AI** | RAG | MCP | LangChain | LangGraph | PyTorch | Hugging Face
- OpenAI API | Anthropic API | Google Gemini API
- Python | Numpy | Pandas | MatplotLib | Seaborn | Scikit Learn
- RAG - LangChain + LangGraph + Vector Databases (Pinecone, Chroma, **pgvector**)
- **Docker** + **Kubernates** + **AWS** | Version Control(Git) | CI/CD Pipelines - GitHub Actions
- **Redis** - Redis Caching - Message Queues - Event-Driven Architecture - Pub/Sub Messaging
- Linux Ecosystem | Docker and Docker Compose
- **System Design & Architecture - System Design**
  Microservices Architecture , Monolithic Architecture , Event-Driven Architecture, Design Patterns, SOLID Principles, Database Design , Database Indexing, Database Normalization, Scalability, Load Balancing , Rate Limiting,
  API Gateway, Fault Tolerance, Horizontal & Vertical Scaling, CAP Theorem
- AWS - Amazon EC2, EKS, ECR, Auto-scaling, AWS Lambda , Amazon S3, AWS IAM, AWS VPC etc

Education

- Bachlors in Computer Science (BCA)
  University Of Kashmir -

Complitation year 2025

Certifications

- Frontend Development UI - Animations
  https://hila-11.com/Certificate.pdf
- Bachlors in Computer Science - Certificate
  https://hila-11.com/degree.pdf

Proof of work

Lokalhostui

Tech stack:- Next.js 15, React 19, TypeScript, Tailwind CSS v4, Supabase, PostgreSQL, Razorpay, Fumadocs

Link:- https://localhostui.com

Lokalhost.io is a developer ecosystem I built solo that lets developers install production-ready React components with a single CLI command. It combines a shadcn-compatible component registry, a React Native and Flutter mobile kit, web templates and a paid Pro tier billed in INR through Razorpay.

Component registry and CLI: Built a shadcn-compatible registry with a Zod-validated schema and a build script that generates registry JSON, so users install any component with one `npx shadcn add` command.

Reliable registry builds: Fixed CLI install failures by normalising file paths and base URLs, and made the build stop on missing files or duplicate names.

Payment integration: Integrated Razorpay monthly subscriptions and one-time yearly payments with HMAC signature checks and webhooks that are safe to receive twice.

Billing database: Designed an 11-table Supabase schema with Row-Level Security and locked Postgres functions, so a payment can never grant access twice or be lost.

Cross-platform mobile kit: Shipped 52 React Native and Flutter components and screens from one typed catalog, with live phone-frame previews.

Docs and auth: Built interactive docs (live preview, code view, install tabs, props table) and Supabase login that sends buyers safely back to checkout.

Snaplink (URL Shortner Free)

Tech stack:- Next.js 16, React 19, TypeScript, Tailwind CSS v4, Supabase, PostgreSQL, Upstash Redis, Cloudinary, Vitest

Link:- https://snaplnk.pro

SnapInk.io is a URL shortener I built solo that turns long links into short, trackable links with auto-generated QR codes. It includes privacy-safe click analytics, a no-code link-in-bio page builder and a secured admin panel, with abuse protection built in from day one.

Short links and QR codes: Generated readable 7-character codes (about 1.9 trillion combinations), with database-enforced uniqueness and automatic retries, plus QR codes hosted on Cloudinary.

Click analytics: Tracked device, browser, OS, location and referrer for every click, filtered out bots, and stored only hashed IPs instead of raw ones.

Abuse protection: Blocked unsafe and internal URLs, added Upstash Redis rate limits, and reserved names to prevent impersonation.

Link-in-bio builder: Built a no-code page builder with templates, themes, video and music embeds, colour-contrast checks, and separate draft and published versions.

Admin panel: Secured it with several layers of checks (approved-email list, server-side roles, a signed 7-day session) and an audit log, with CSV exports.

Database and testing: Wrote 5 PostgreSQL migrations with Row-Level Security and monthly-partitioned event tables, tested with ~97 Vitest cases.

Notes App — Full-Stack Google Keep–Style Application

Tech stack: Node.js, Express.js, React, MongoDB, Redis, JWT, bcrypt, Helmet, Cloudinary, Autocannon

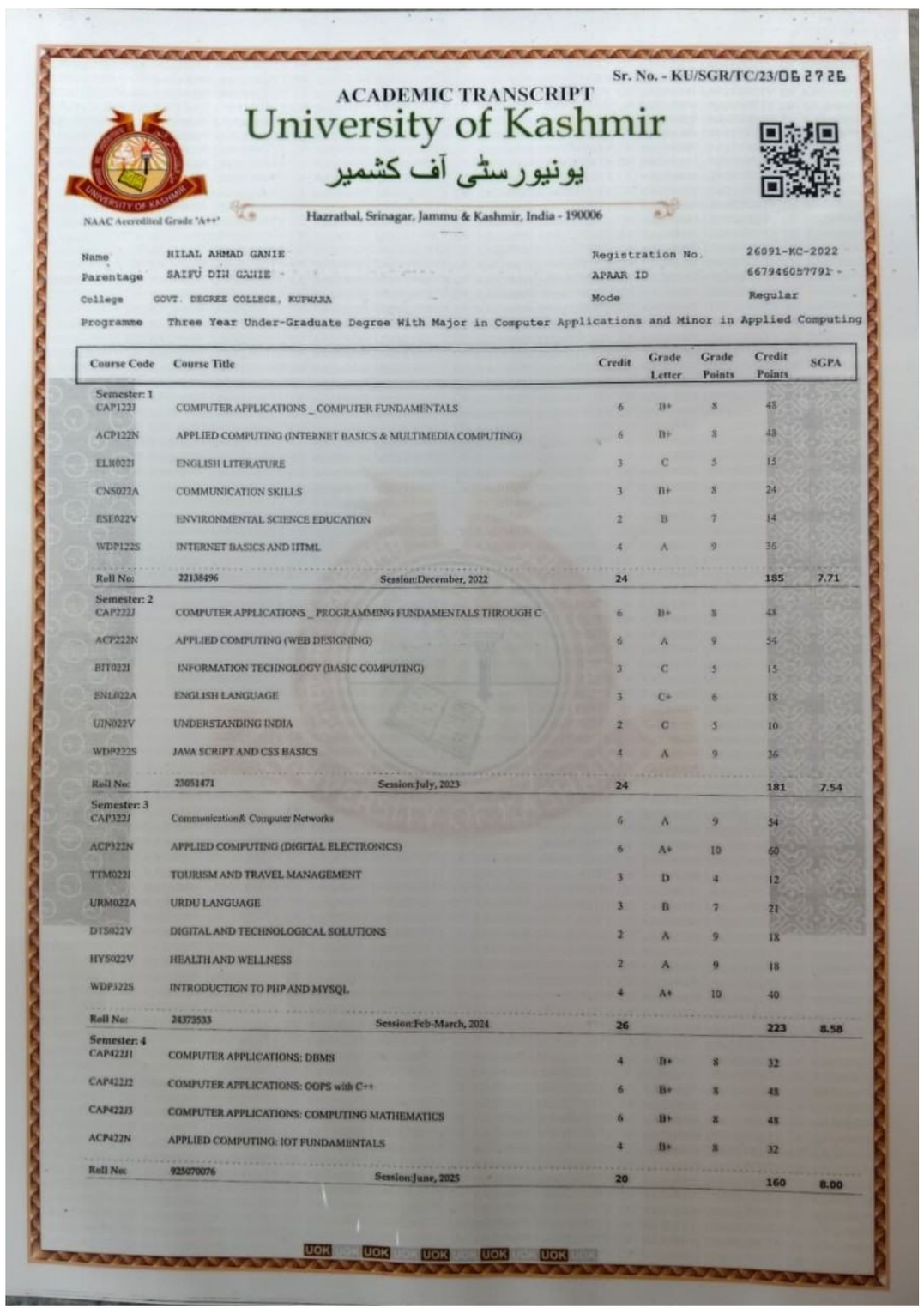
Link: Github

A full-stack note-taking app inspired by Google Keep, built from scratch with a Node.js + Express backend and a separate React frontend. It includes custom authentication, RESTful APIs, Redis caching, request logging and load testing to check how the backend performs under heavy traffic.

- RESTful API
- Custom authentication
- Redis caching
- Separate frontend and backend
- Logging and monitoring
- Load testing

Degree & Certifications

- Bachlors in Computer Science - **University of kashmir**



Sr. No. - KU/SGR/TC/23/06 2726

ACADEMIC TRANSCRIPT

University of Kashmir

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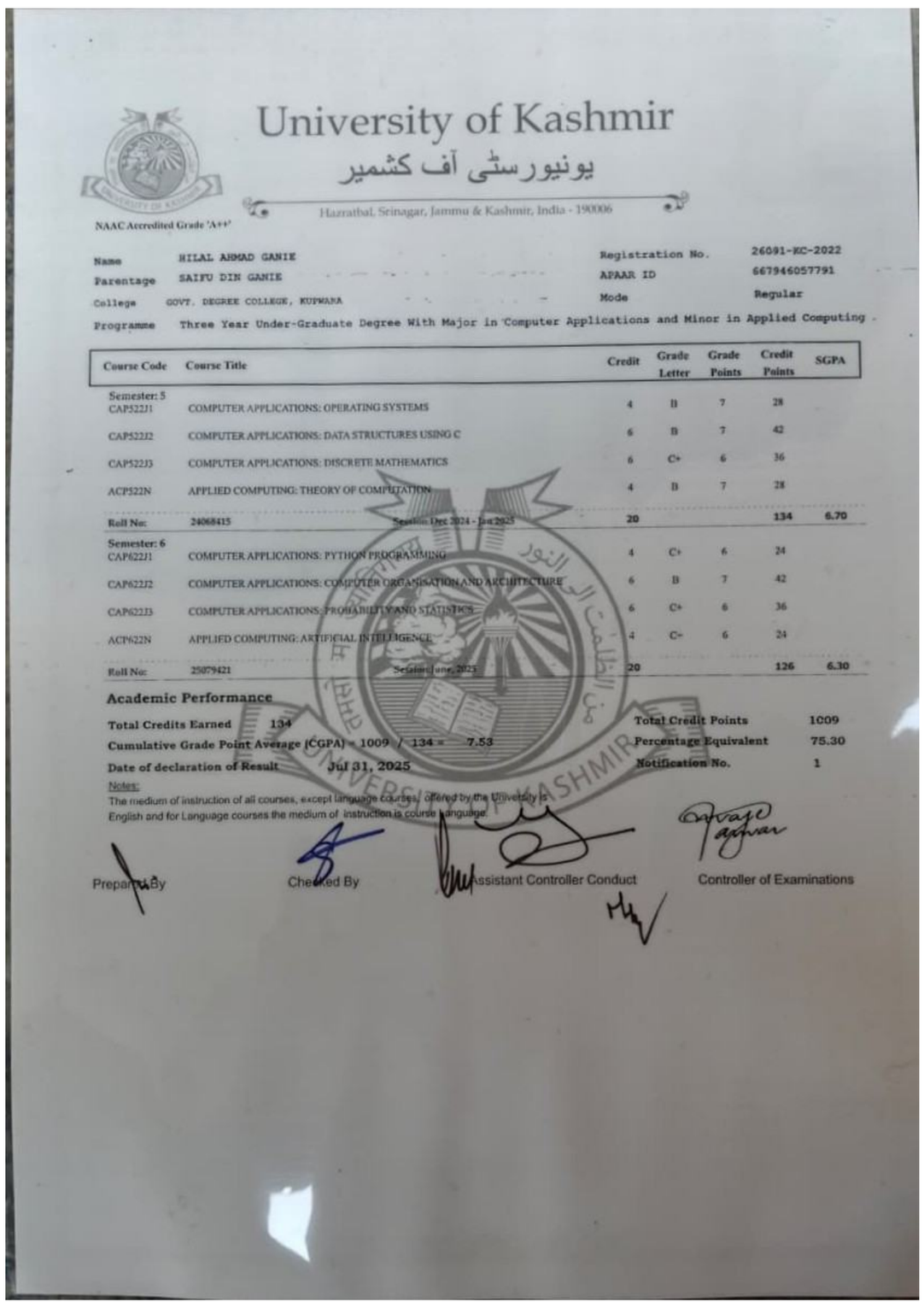
NAAC Accredited Grade 'A++'

Hazratbal, Srinagar, Jammu & Kashmir, India - 190006

Name	HILAL AHMAD GANIE	Registration No.	26091-KC-2022
Parentage	SAIFU DIN GANIE	APAAR ID	667946057791
College	GOVT. DEGREE COLLEGE, KUPWARA	Mode	Regular
Programme	Three Year Under-Graduate Degree With Major in Computer Applications and Minor in Applied Computing		

Course Code	Course Title	Credit	Grade Letter	Grade Points	Credit Points	SGPA
Semester: 1						
CAP122J	COMPUTER APPLICATIONS _ COMPUTER FUNDAMENTALS	6	B+	8	48	
ACP122N	APPLIED COMPUTING (INTERNET BASICS & MULTIMEDIA COMPUTING)	6	B+	8	48	
ELR022I	ENGLISH LITERATURE	3	C	5	15	
CNS022A	COMMUNICATION SKILLS	3	B+	8	24	
ESE022V	ENVIRONMENTAL SCIENCE EDUCATION	2	B	7	14	
WDP122S	INTERNET BASICS AND HTML	4	A	9	36	
Roll No:	22138496 Session:December, 2022	24			185	7.71
Semester: 2						
CAP222J	COMPUTER APPLICATIONS _ PROGRAMMING FUNDAMENTALS THROUGH C	6	B+	8	48	
ACP222N	APPLIED COMPUTING (WEB DESIGNING)	6	A	9	54	
BIT022I	INFORMATION TECHNOLOGY (BASIC COMPUTING)	3	C	5	15	
ENL022A	ENGLISH LANGUAGE	3	C+	6	18	
UIN022V	UNDERSTANDING INDIA	2	C	5	10	
WDP222S	JAVA SCRIPT AND CSS BASICS	4	A	9	36	
Roll No:	23051471 Session:July, 2023	24			181	7.54
Semester: 3						
CAP322J	Communication& Computer Networks	6	A	9	54	
ACP322N	APPLIED COMPUTING (DIGITAL ELECTRONICS)	6	A+	10	60	
TTM022I	TOURISM AND TRAVEL MANAGEMENT	3	D	4	12	
URM022A	URDU LANGUAGE	3	B	7	21	
DTS022V	DIGITAL AND TECHNOLOGICAL SOLUTIONS	2	A	9	18	
HYS022V	HEALTH AND WELLNESS	2	A	9	18	
WDP322S	INTRODUCTION TO PHP AND MYSQL	4	A+	10	40	
Roll No:	24373533 Session:Feb-March, 2024	26			223	8.58
Semester: 4						
CAP422J1	COMPUTER APPLICATIONS: DBMS	4	B+	8	32	
CAP422J2	COMPUTER APPLICATIONS: OOPS with C++	6	B+	8	48	
CAP422J3	COMPUTER APPLICATIONS: COMPUTING MATHEMATICS	6	B+	8	48	
ACP422N	APPLIED COMPUTING: IOT FUNDAMENTALS	4	B+	8	32	
Roll No:	925070076 Session:June, 2025	20			160	8.00

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University of Kashmir

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NAAC Accredited Grade 'A++'

Hazratbal, Srinagar, Jammu & Kashmir, India - 190006

Name	HILAL AHMAD GANIE	Registration No.	26091-KC-2022
Parentage	SAIFU DIN GANIE	APAAR ID	667946057791
College	GOVT. DEGREE COLLEGE, KUPWARA	Mode	Regular
Programme	Three Year Under-Graduate Degree With Major in Computer Applications and Minor in Applied Computing		

Course Code	Course Title	Credit	Grade Letter	Grade Points	Credit Points	SGPA
Semester: 5						
CAP522J1	COMPUTER APPLICATIONS: OPERATING SYSTEMS	4	B	7	28	
CAP522J2	COMPUTER APPLICATIONS: DATA STRUCTURES USING C	6	B	7	42	
CAP522J3	COMPUTER APPLICATIONS: DISCRETE MATHEMATICS	6	C+	6	36	
ACP522N	APPLIED COMPUTING: THEORY OF COMPUTATION	4	B	7	28	
Roll No:	24068415 Session: Dec 2024 - Jan 2025	20			134	6.70
Semester: 6						
CAP622J1	COMPUTER APPLICATIONS: PYTHON PROGRAMMING	4	C+	6	24	
CAP622J2	COMPUTER APPLICATIONS: COMPUTER ORGANISATION AND ARCHITECTURE	6	B	7	42	
CAP622J3	COMPUTER APPLICATIONS: PROBABILITY AND STATISTICS	6	C+	6	36	
ACP622N	APPLIED COMPUTING: ARTIFICIAL INTELLIGENCE	4	C+	6	24	
Roll No:	25079421 Session: June, 2025	20			126	6.30

Academic Performance

Total Credits Earned	134	Total Credit Points	1009
Cumulative Grade Point Average (CGPA) = 1009 / 134 =	7.53	Percentage Equivalent	75.30
Date of declaration of Result	Jul 31, 2025	Notification No.	1

Notes:
The medium of instruction of all courses, except language courses, offered by the University is English and for Language courses the medium of instruction is course language.

Prepared By | Checked By | Assistant Controller Conduct | Controller of Examinations

- Micro-Intractions and Animations - @animations.dev



1/13/26, 1:09 AM — Animations on the Web

animations.dev
Certificate of Completion

This is to certify that

Hilal Ahmad Ganie

has successfully completed the **Animations on the Web** course.

Emil Kowalski
Instructor and Creator

3rd of November 2025

https://animations.dev/certificate/dfb419c8-5ed7-43f2-b60c-446bc50a39b1 — 1/1