ABHISHEK KUMAR SINGH

Software Engineer | Generative AI | Backend | Full-Stack

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GitHub · LinkedIn · LeetCode · CodeChef

SUMMARY

Software engineer with production experience building **generative AI** features (**LangChain**, **MCP**, **RAG pipelines**, **agentic workflows**) on top of **Node.js** and **Python** backends, and shipping **Angular**/**React** products used by **hundreds of thousands of daily users**. Comfortable across the stack: **REST APIs**, **Kafka**, **Redis**, **SQL**/**NoSQL**, **CI**/**CD** and frontend. Pursuing M.Sc. in AI & ML at IGNOU. Strong DSA foundation (**LeetCode max rating 1713**).

SKILLS

Generative AI	LangChain, MCP, RAG pipelines, agentic AI workflows, multi-provider LLM integration, AI-assisted development
Backend	Node.js, Express, Python, Go, REST APIs, microservices, Kafka, Redis, Swagger/OpenAPI
Databases	MongoDB, SQL
Frontend	Angular, React.js, Redux, TypeScript, JavaScript, HTML, CSS, SSR/CSR, web performance optimization
Languages	Python, TypeScript, JavaScript, Java, Go, SQL
DevOps & Tools	Git, Docker, CI/CD
Core	Data Structures & Algorithms, OOP, Operating Systems

EXPERIENCE

Software Developer (Full-Stack) – Doceree, Noida Jun 2025 – Present

Campaigns team • Doceree is a leading healthcare software company

- Delivered multiple end-to-end **generative AI** features for forms and popup forms using **agentic workflows**, **MCP**, **RAG pipelines** and **LangChain**; accelerated feature delivery by **50%** through AI-assisted development.
- Built scalable backend services for forms, popup forms and drag-and-drop editors using **Node.js**, **Python**, **REST APIs**, **Kafka** and **Redis**; reduced API latency by **30%**.
- Engineered fault-tolerant **microservices** and **CI**/**CD** workflows with SQL/NoSQL databases; increased system throughput by **25%**.
- Owned frontend and features for the marketing reports UI (**500,000+ daily active users**) and external feeds (**350,000+ daily active users**) in **Angular** and **TypeScript**.
- Built the preview modal and variable picker; enhanced the **Froala**-based rich text editor and drag-and-drop builders for forms and popup-form workflows.

Frontend Developer (Intern) – Coding Ninjas, Delhi Feb 2025 – May 2025

- Built **React.js** dashboards and reporting workflows for an attendance management platform used by **150,000+ daily active users**.
- Optimized **Angular** frontend architecture, reducing page load times by **20%**.

Frontend Developer (Intern) – CRIS Onsite Jan 2024 – Feb 2024

- Contributed to a **React** admin dashboard integrated with multiple **Node.js** APIs.

PROJECTS

Medical AI Assistant | Python, CNN, RAG, LLMs Code

- Full-stack assistant combining a **DenseNet-121 CNN** with a **RAG pipeline** and **multi-provider LLM** support.

LLM Image Captioning App | Angular 17, Node.js, Express Code

- Full-stack monorepo that generates image captions using an **LLM**, with an **Angular 17** frontend and **Node.js**/**Express** backend.

EDUCATION

M.Sc. Artificial Intelligence & Machine Learning Pursuing

Indira Gandhi National Open University (IGNOU)

B.Tech, Engineering Jul 2020 – Jun 2024

Delhi Technological University (DTU), Delhi • CGPA: 7.5

ACHIEVEMENTS

- Solved **700+ problems** on coding platforms; LeetCode max rating **1713**, CodeChef max rating **1547**.
- Global rank **129** (LeetCode Round 647, 2023); rank **487** (LeetCode Sept Challenge, 2024); rank **562** (LeetCode July Cook-Off, 2023).
- Global rank **850** (Meta Hacker Cup, 2024); rank **478** (TopCoder Open Round 1, 2023).
- **Second runner-up**, Hackfest Hackathon.

LEADERSHIP & INTERESTS

Vice President, Cinematic Club, DTU · **Reporter**, Engifest · **Interests:** AI, sociology, economics, music