

Akshat Singh Nayal

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EDUCATION

SRMCEM, Lucknow – Abdul Kalam Technical University (AKTU)

Lucknow, India

Bachelor of Technology – Computer Science & Engineering; CGPA: 7.81/10.0

Nov 2023 – May 2027 (Expected)

EXPERIENCE

Student Freelance Developer

Jan 2025 – Present

Independent Contract Work

Remote

- Developed and deployed **full-stack web applications** for students and peers using the **MERN stack**, delivering responsive and user-friendly solutions based on project requirements.
- Integrated technologies including **Google Gemini API**, **Nodemailer**, and **JWT Authentication** to implement AI-powered features, secure user access, and automated email notifications.

Team Lead

Mar 2025 – Apr 2025

*Smart India Hackathon – **helloMind** AI Chat Application*

Remote

- Led a **6-member team** through internal selection rounds; coordinated **task delegation** and **project development** for successful qualification with an **AI-powered mental health chat application**.
- Integrated **Google Gemini API** with a **React frontend** and **Node.js backend**; implemented **scalable REST APIs** using **MongoDB Atlas** to support secure authentication and **real-time chat persistence**.

CODING PROFILE

LeetCode: Achieved Knight badge with a maximum contest rating of **1861 (Top 5.63% globally)**; solved **800+** DSA problems across multiple platforms.

GeeksforGeeks: Solved **112+** problems covering arrays, trees, graphs, and dynamic programming.

DSA Repository: Curated a topic-wise C++ DSA solution repository with 800+ problems, assisting **50+** peers in interview preparation.

PROJECTS

ContextRAG | *FastAPI, React, Gemini AI, Qdrant, PostgreSQL*

Jun 2026 – Jul 2026

- Architected a **RAG-based document chat application** using **Google Gemini** and **Qdrant**, retrieving the **top-5 semantic matches** to deliver source-grounded responses over PDF documents.
- Engineered a **secure full-stack architecture** with JWT authentication, Google OAuth, and PostgreSQL, deployed the application on Render, Vercel, and Qdrant Cloud.

OfferForge | *React, FastAPI, PostgreSQL, TypeScript, TailwindCSS*

Apr 2026 – Jun 2026

- Built a **full-stack placement preparation platform** integrating **DSA tracking**, **company checklists**, **resume management**, **analytics**, and **calendar milestones** with secure authentication and PostgreSQL persistence.
- Developed **real-time progress analytics**, resume scoring, PDF management, and a **global command palette** for instant navigation, improving productivity through a unified dashboard experience.

TECHNICAL SKILLS

Languages: C/C++, Python, SQL

Frameworks & Libraries: Node.js, Express.js, React.js, REST APIs, JWT Authentication, HTML, CSS, FastAPI

Databases: MongoDB, MySQL

Tools: Git, GitHub, Postman, Render, Vercel, Linux, Shell Scripting (Bash)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, OOP, Software Engineering

ACHIEVEMENTS

- **Academic Excellence Award:** Awarded by **SRMCEM, Lucknow** for outstanding academic performance during the **1st & 2nd years** of B.Tech.
- **AI/ML for Geodata Analysis – ISRO:** Completed a 7.5-hour online course conducted by the Indian Institute of Remote Sensing (Dept. of Space, Govt. of India).
- **Google Cloud Arcade Facilitator Program (Level 3):** Attained **3rd rank** in the program by successfully completing hands-on labs and workshops on **Google Cloud**, **Gemini AI**, and **Prompt Engineering** during **GenAI Study Jam 2024**.