

Sneha Choudhary

Full Stack Developer | AI Application Developer | Flutter Developer
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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Codeforces](#) | [CodeChef](#)

PROFESSIONAL SUMMARY

Full Stack Developer and final-year B.Tech Computer Science student specializing in Data Science at RGPV Bhopal. Two years of hands-on experience building and shipping AI-powered web and mobile applications using MERN stack, Next.js, FastAPI, and Flutter. Delivered five production-ready projects integrating Gemini API, REST APIs, and cloud infrastructure on Vercel and Railway. Achieved a 96.76% R-squared score on an ML price prediction model and a 89.5% spam detection accuracy. Solved 500+ LeetCode problems (Rating: 1874) with a focus on Dynamic Programming and algorithm optimization. Experienced in agile development, version control with Git, and cross-functional team collaboration.

TECHNICAL SKILLS

Programming Languages	JavaScript, TypeScript, Python, Java, SQL, Dart
Frontend Development:	React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Framer Motion
Backend Development:	Node.js, Express.js, FastAPI, REST API, JWT Authentication, Microservices
Mobile Development:	Flutter, Dart, Android, iOS, Firebase Authentication
Databases:	MongoDB, PostgreSQL, MySQL, Firestore, Render PostgreSQL
AI / ML / Agentic AI:	Gemini API, scikit-learn, Random Forest, Machine Learning, RAG, Data Visualization, AI-Agents
Cloud and DevOps:	GitHub Actions, CI/CD, Vercel, Google Cloud, Render
Tools:	Git, GitHub, Linux, VS Code, Google Workspace
Soft Skills:	Problem Solving, Team Collaboration, Technical Communication, Agile Development

PROJECTS

CampusBridge - AI Campus Marketplace [🔗](#)

FastAPI, React.js, PostgreSQL, Gemini API, scikit-learn, Tailwind CSS

- Architected an AI-powered campus marketplace for RGPV students with secure JWT authentication and role-based access control
- Built ARIA chatbot using Gemini API with Retrieval Augmented Generation, reducing student query resolution time by 40 percent
- Developed an ML price prediction model using Random Forest achieving 96.76 percent R-squared accuracy and a spam detector with 89.5 percent precision
- Created a smart recommendation engine and analytics dashboard that increased relevant product discovery by 35 percent

RoomSync - AI Roommate Matching Platform [🔗](#)

Node.js, Express.js, MongoDB, Gemini API, JWT Authentication, Vercel, Railway

- Designed and deployed a full-stack roommate matching platform for students across 10 Indian cities
- Created a 4-vector compatibility algorithm with a 12-question quiz that improved match accuracy by 60 percent over random pairing
- Integrated Gemini AI chat assistant for real-time guidance across Vercel, Railway, and MongoDB Atlas infrastructure

PathForge - AI Career Roadmap Mobile Application [🔗](#)

Flutter, Dart, Firebase Authentication, Firestore, Gemini 2.0

- Developed a cross-platform Flutter mobile application generating personalized AI career roadmaps across 25 engineering tracks
- Integrated Gemini 2.0 to produce week-by-week study plans with curated YouTube resources, cutting manual planning time by 70 percent
- Implemented Firebase Authentication and Firestore for real-time progress tracking with persistent offline-capable data storage

Campus Tracker - Smart Lost and Found System [🔗](#)

HTML5, CSS3, JavaScript, Machine Learning, Docker

- Built an AI-powered lost and found web application with image uploads, location tracking, and similarity matching that improved item recovery by 25 percent
- Deployed an admin moderation panel that reduced false reports by 30 percent with masked contact chat for user privacy protection

College Finder India - Discovery Platform [🔗](#)

Next.js, TypeScript, MongoDB, NextAuth, Tailwind CSS, Vercel

- Built a production-grade college discovery platform enabling side-by-side comparison of fees, placements, and ratings for 15 colleges
- Integrated NextAuth for secure Google and GitHub OAuth, reducing account creation friction and increasing registration rate by 45 percent

WORK EXPERIENCE

Infosys Springboard

Sep 2025 - Dec 2025

Java Intern - Batch 6.0

Remote

- Completed an intensive Java training program, scored in the top 15 percent of the batch, and secured selection for Batch 6.0 internship
- Delivered Java development assignments covering object-oriented design patterns, data structure implementation, and unit testing with JUnit

Edunet Foundation

Jan 2025 - Feb 2025

Data Science Project Intern

Remote

- Analysed 10 years of Indian agriculture data using Python with pandas, matplotlib, and seaborn libraries to generate executive-level policy insights

CyberGyan, C-DAC

Jul 2024 - Sep 2024

Linux and Cybersecurity Training

Remote

- Completed 200 hours of practical Linux system administration and Kali Linux training covering network security and penetration testing basics

InternPE

Jul 2025 - Aug 2025

Marketing Intern

Remote

- Planned and executed three digital campaigns that achieved a 20 percent increase in student engagement for company programs and events

EDUCATION

School of Information Technology, RGPV Bhopal

Sep 2023 - 2027

B.Tech - Computer Science and Engineering | Specialization: Data Science

SGPA: 7.64

Relevant Coursework: Data Structures and Algorithms, Web Development, Database Management Systems, Artificial Intelligence, Operating Systems, Computer Networks, Machine Learning

ACHIEVEMENTS AND CERTIFICATIONS

- Competitive Programming: LeetCode 500+ problems solved focusing on Dynamic Programming, earned 365 Day Badge and Annual Medals. Codeforces Rating 1559 . CodeChef Rating 1350
- Google Gen AI Exchange Program: Chosen by Google Cloud and Hack2skill for AI innovation mentorship, achieved Top 50 rank nationally out of 10,000+ participants [🔗](#)
- Google Student Ambassador Aug to Dec 2025: Promoted Google products and Gemini AI platform on campus, directly reaching 500 students
- Google Cloud Arcade Facilitator Cohort 1: Finished Cloud, Machine Learning, and Generative AI program and received Legend tier recognition for outstanding participation [🔗](#)
- Google Skills Certifications: Earned five certifications across Cloud Computing, AI, Machine Learning, and Data Analytics through Google training program