

Mahak Gupta

(+91) 7860868701 | mahakguptaji2005@gmail.com | mahak-gupta-88835226 (LinkedIn) | DevloperMahak (Github) | My Portfolio

Summary

Computer Science undergraduate with 185+ DSA problems solved, experienced in full-stack AI applications. Skilled in backend, REST APIs, system design, and multi-agent AI workflows (ReuseBook, AskMyTutor CrewAI).

Experience

Frequer <i>Web Development Intern</i>	Jun 2025 – Oct 2025 Jhansi, UP
<ul style="list-style-type: none">Contributed to end-to-end development lifecycle including design, implementation, testing, and deployment of web and mobile applications.Developed and optimized modules using React.js, React Native, Node.js, and MongoDB, improving application load performance by 25%.Integrated REST APIs and debugged service connections to ensure seamless data flow and application stability.Collaborated with cross-functional teams to deliver user-centric features aligned with business requirements.Utilized GitHub Actions for CI/CD, performed API testing using Postman, and supported mobile framework integrations.	

Projects

- ReuseBook – Old Book Marketplace App** | Flutter, Node.js, Express.js, MongoDB, REST API, JWT, Bcrypt, Multer | [Live](#) | [GitHub](#)
 - Engineered a cross-platform marketplace enabling students and shopkeepers to buy and sell used books.
 - Implemented secure authentication and role-based access control using JWT and bcrypt.
 - Designed and integrated RESTful APIs with MongoDB for efficient data handling and scalability.
 - Developed features like image upload and multilingual support to enhance user experience.
- AskMyTutor – AI Powered Learning Platform** | Flutter, Node.js, MongoDB, Socket.IO, GROQ (AI), OCR | [Live](#) | [GitHub](#)
 - Built a multilingual AI-powered tutoring platform supporting text, voice, and image-based queries.
 - Integrated GROQ AI and OCR to process and generate intelligent responses from user inputs.
 - Developed real-time multi-user chat functionality using Socket.IO.
 - Optimized performance and implemented scalable state management for smooth cross-platform usage.
- Autonomous Multi-Agent System : CrewAI** | Python, CrewAI, Gemini API, Serper API | [GitHub](#)
 - Built a context-aware multi-agent system for generating professional emails and marketing campaigns.
 - Designed a 4-agent sequential pipeline (Marketing, Social, Blog, SEO) with shared context for coherent outputs.
 - Leveraged structured inputs (keywords, market research, strategy) to drive consistent, high-quality content generation.
 - Generated and optimized multi-channel content (LinkedIn, Instagram, email, blogs) using Gemini API and Serper API..

Technical Skills

- Languages:** C/C++, Python, JavaScript, TypeScript, Java, Dart
- Frontend/Mobile:** React.js, React Native, Flutter
- Backend:** Backend: Node.js, Express.js
- Databases:** MongoDB, MySQL
- Tools:** Git, GitHub, Postman, VS Code, Android Studio, GitHub Actions (CI/CD)
- Core Concepts:** Data Structures & Algorithms (185+ problems solved), DBMS, OOP, SDLC, REST APIs, System Design Basics, SOLID Principles
- AI/ML:** NLP integration using GROQ API, basic exposure to ML workflows

Coding Profiles

- LeetCode: leetcode.com/u/Mahak_ji
- Codolio: codolio.com/profile/MyCodeName

Education

Bundelkhand University <i>Bachelor of Technology in Computer Science and Engineering (CGPA: 8.0/10)</i>	2023 – 2027 Jhansi, UP
---	---------------------------

Achievements

- Secured 3rd place among 50+ teams in Software App Exhibition for ReuseBook
- Participated in Hackazards'25 (210-hour hackathon), developing the AskMyTutor platform

Leadership & Activities

- Club Lead, Coders Hub (IET BU) – mentored peers and led technical initiatives
- Resource Person, TechRise Workshop – conducted hands-on sessions