# Ankit Jha

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## WORKING-EXPERIENCE

B.Tech student specializing in AI/ML with strong knowledge of data structures, algorithms, and designing for performance and scalability. Hands-on experience in developing secure, scalable, and user-friendly applications across frontend and backend technologies. Skilled in API development, database management and CI/CD workflows. Adaptable polyglot developer with a passion for leveraging technical expertise to deliver innovative, high-quality digital solutions in collaborative, agile environments.

## PROJECTS

- **Steganography-Based Data Hiding System**                                    Link
  A React-based web application enabling secure image steganography for hiding and extracting messages.
  Implemented efficient data embedding with minimal image distortion, processing images up to 5MB in under 2 seconds.
  *Tech Stack: React.js, Tailwind CSS, JavaScript, and related libraries*

- **NeuroWell – AI Mental Health Chatbot**
  Developed for real-time AI + Counselor chat support with emotion detection, PDF triage reports, and student analytics.
  *Tech Stack: React, Node.js, FastAPI, MongoDB, Gemini, LangChain, ReportLab, WebSocket*

## ACHIEVEMENTS AND POSITIONS

- **Winner - Hack SRM 6.0**
  - Contributed as both a frontend and backend developer, enhancing product efficiency by 30%.
  - Improved and upgraded core features, reducing system response time by 45%.
- **Secure-X Champion Mentor**
  - Guided the winning team by providing technical and strategic direction, improving project execution by 40%.
  - Assisted in debugging and optimizing their solution, leading to a 20% improvement in performance.
- **Innovation Associate - NTL Lab**
  - Actively contributed to research and development projects, gaining hands-on experience in advanced technical solutions.
  - Collaborated on AI-driven applications, improving model accuracy by 15%.

## CERTIFICATIONS

**Python** — *NPTEL*
**Certificate of Participation**, *Unfold* 2024
**Certificate of Appreciation(AI-ML Domain)**, *Hack-SRM 6.0*
**Node.js**, MongoDB

## SKILLS

**Frontend:** React.js, HTML, CSS, SCSS, Node.js, Bootstrap, Figma, **Backend Development:** Node.js, Express.js, Firebase, Supabase
**Databases:** MongoDB, MySQL, Firebase Firestore
**Programming Languages:** C++, JavaScript, C, Java

## EDUCATION

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| **SRM University, Andhra Pradesh** | Expected 2026 |
| Bachelor's Of Technology in Computer Science and Engineering | CGPA: 8.85 |
| Class 12th CBSE Board | 81.2% |
| Class 10th CBSE Board | 75.2% |