

# AYUSH TRIPATHI

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## PROFESSIONAL SUMMARY

B.Tech Computer Science student with hands-on experience building full-stack web applications using MERN stack technologies and AI-assisted systems. Proficient in React.js, Node.js, MySQL, and Tailwind CSS with practical experience integrating local LLM workflows using Ollama. Skilled in Python data science libraries (NumPy, Pandas, Matplotlib, Scikit-learn) and modern developer tools including Cursor and Claude. Strong foundation in Data Structures, Algorithms, Object-Oriented Programming, and scalable application development.

## TECHNICAL SKILLS

**Languages:** C, C++, Python, JavaScript, SQL, HTML, CSS  
**Frontend:** React.js, Tailwind CSS, Bootstrap, Responsive Web Design, Figma  
**Backend:** Node.js, MVC Architecture  
**Databases:** MySQL, Relational Database Design, Schema Optimization  
**Data Science:** NumPy, Pandas, Matplotlib, Scikit-learn  
**AI & Deployment:** Claude (Anthropic), Ollama, Antigravity, Cursor, Vercel, Netlify  
**Dev Tools:** Git, GitHub, Canva, Adobe Photoshop, DaVinci Resolve  
**Core Concepts:** Data Structures & Algorithms, OOP, Agile Development, MVC Architecture

## PROFESSIONAL EXPERIENCE

**Web Developer Intern** December 2025 – January 2026  
*Codec Technologies* Remote

- Engineered a full-stack Social Media Dashboard using MySQL, React.js, and Node.js, enabling real-time analytics visualization and user engagement tracking across multiple social platforms.
- Built an E-Commerce Platform end-to-end with product catalog management, shopping cart, and order processing modules, improving transaction flow efficiency and overall user experience.
- Developed a Project Management Tool featuring task assignment, progress tracking, and team collaboration workflows using the MERN stack, reducing manual project coordination overhead.
- Applied MVC architecture and normalized MySQL schemas across projects to improve scalability, maintainability, and backend performance.

## PROJECTS

**Trinethra — Supervisor Feedback Analyzer (DeepThought)**  
*React + Vite, Tailwind CSS, Node.js, Ollama*

- Built an AI-assisted tool that transforms unstructured supervisor transcripts into structured Fellow performance analyses, reducing intern review time from 45–60 minutes to under 10 minutes.
- Designed a workflow where psychology interns can paste supervisor call transcripts and receive structured AI-generated analyses in under 60 seconds using locally hosted LLMs via Ollama.
- Implemented a reliable three-layer JSON parsing system: strict parse, markdown fence removal, and partial-result recovery with UI warnings, reducing malformed responses from nearly 30% to below 5%.
- Reduced automation bias by labeling scores as “Suggested,” requiring manual slider confirmation from interns before finalizing evaluations.
- Added confidence-aware warning badges and evidence-backed reasoning displays so users can verify AI-generated insights before decision-making.

## EDUCATION

**Jaypee University of Engineering and Technology** July 2024 – Present  
*Bachelor of Technology in Computer Science and Engineering* CGPA: 7.10/10.0  
**BBS Smriti Vidhyapeeth, Auraiya (UP) – CBSE Board** 2023 – 2024  
*Senior Secondary Education, Mathematics & Science* Score: 75.8%

## CERTIFICATIONS & LEARNING

- Python Certified — HackerRank August 2025
- SQL Certified — HackerRank August 2025
- Development Job Simulation — Deloitte Australia September 2025
- Web Development Fundamentals — IBM SkillsBuild November 2025
- Python Essentials — Cisco Networking Academy December 2025