Ayush Mhaisane

Pune, Maharashtra

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Professional Summary

Detail-oriented Information Technology student with strong expertise in the MERN stack and a focus on Backend Engineering. Experienced in building scalable applications with GenAI integrations (LLMs, workflows) and automation. Committed to writing clean, testable code and documenting architecture to facilitate remote collaboration.

Education

D. Y. Patil College of Engineering, Akurdi   Pune, Maharashtra
Bachelor of Engineering in Information Technology (CGPA: 9.25)   *Dec. 2025 – Present*

Government Polytechnic, Amravati   Amravati, Maharashtra
Diploma in Information Technology (Percentage: 92.89%)   *Aug. 2021 – June 2024*

Experience

Cyber Security Intern   December 2025 – Present
Cyber Cell, Pimpri Chinchwad Police   *Pune, Maharashtra*
- Assisting officials in analyzing digital footprints and server logs to extract actionable intelligence for investigations.
- Utilizing OSINT (Open Source Intelligence) tools to gather and structure sensitive data while strictly adhering to privacy protocols.
- Collaborating with the technical investigation team to process large datasets under tight deadlines.

Software and Web Development Intern   June 2023 – July 2023
Compilers Technologies   *Amravati, Maharashtra*
- Completed hands-on training in Advanced Java (Swing, JDBC, Servlets) and web fundamentals.
- Developed GUI-based applications with backend integration via JDBC and Servlet architecture.
- Participated in the full software development lifecycle (SDLC), from frontend design to server-side logic.

Projects

AI-Enhanced Data Scraper | *React, Node.js, Puppeteer, Google Gemini*   January 2026
- Built a custom web scraper using Puppeteer to navigate through dynamic **BeyondChats** documentation.
- Implemented a Gemini AI pipeline to sanitize unstructured HTML data, converting it into clean, structured Markdown.
- Integrated **Jest unit testing** to ensure API reliability and maintain code quality during the development cycle.

AI-Powered IT Support Platform | *React, Supabase, n8n, Gemini AI*   August 2025
- Designed a role-based ticket management system using Supabase for authentication and real-time database updates.
- Automated backend workflows using n8n to classify support tickets and analyze sentiment via Gemini AI.
- Created clear technical documentation and architecture diagrams to ensure project maintainability.

MERN Stack Portfolio App | *React, Node.js, MongoDB, Tailwind*   April 2025
- Developed a performant single-page application (SPA) featuring component-based architecture.
- Built secure backend API endpoints using Node.js and Express to handle contact form submissions.

TechFlow – Business Landing Page | *React.js, Tailwind, EmailJS*   In Progress
- Developing a high-performance landing page focused on SEO optimization and fast load times.
- Integrating serverless contact forms with automated email triggers for instant lead capture.

Technical Skills

Languages: Java, JavaScript, C++, SQL, Python, HTML/CSS
Backend & AI: Node.js (MVC Pattern), Express.js, Puppeteer, REST APIs, Google Gemini API, n8n Workflows
Frontend & Tools: React.js, Tailwind CSS, Git, Linux, Postman, Jest (Unit Testing)
Core Concepts: DBMS, OOPS, Data Structures & Algorithms, System Design

CERTIFICATIONS

NPTEL Certification in Database Management Systems (DBMS)

Certifications in Data Structures & Algorithms, Java, C, and C++

BE10x AI Workshop Certificate (Generative AI Tools)

Internship Certificate – Compilers Technologies