

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 and modern frameworks including Next.js. Proficient in React.js, Node.js, Next.js, RESTful API design, Supabase, and MySQL. Skilled in Python data science libraries (NumPy, Pandas, Matplotlib, Scikit-learn) and CSS frameworks (Tailwind CSS, Bootstrap). Certified in Python and SQL with a strong foundation in Data Structures, Algorithms, and Object-Oriented Programming.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript, TypeScript, SQL, HTML, CSS
Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, Responsive Web Design, Figma
Backend & APIs: Node.js, Express.js, Next.js API Routes, RESTful API Design, MVC Architecture
Databases: MySQL, Supabase (PostgreSQL), Relational Database Design, Schema Optimization
Data Science: NumPy, Pandas, Matplotlib, Scikit-learn
AI & Cloud: Gemini API (Google), Supabase Auth, Vercel Deployment
DevOps & 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, Express.js, 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.
- Designed and consumed RESTful APIs across all three projects, applying MVC design patterns and normalized MySQL schemas to ensure maintainability and scalability of backend services.

PROJECTS

AI-Powered Blogging Platform | *Next.js, Supabase, Gemini API, Vercel*

- Developed a full-stack blogging platform using Next.js for both frontend and backend (API routes), delivering server-side rendering for improved SEO performance and faster page load times.
- Integrated Google Gemini 4.1 AI model to provide AI-assisted content generation, enabling authors to draft, summarize, and enhance blog posts directly within the editor.
- Implemented secure user authentication and session management using Supabase Auth (email/password and OAuth), with role-based access control for authors and readers.
- Designed and managed a scalable PostgreSQL database via Supabase with optimized schema for posts, comments, tags, and user profiles, supporting efficient querying and relational integrity.
- Deployed the application on Vercel with CI/CD pipeline connected to GitHub, enabling automated builds and zero-downtime production deployments.

EDUCATION

Jaypee University of Engineering and Technology

Bachelor of Technology in Computer Science and Engineering

July 2024 – Present

CGPA: 7.10/10.0

BBS Smriti Vidhyapeeth, Auraiya (UP) – CBSE Board

Senior Secondary Education, Mathematics & Science

2023 – 2024

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