

CHAITANYA GUPTA

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Education

Thapar Institute of Engineering and Technology

Bachelor of Engineering in Computer Science and Engineering

Aug 2020 – Jul 2024

Patiala, India

Summary

Full Stack and AI Engineer with 2+ years of experience in the full Software Development Life Cycle (SDLC), specializing in scalable web, mobile, and cloud-native applications. Expert in React.js, Node.js, and Python with a proven track record of reducing manual workflows by 70% and optimizing API performance by 40% using Agile methodologies. Proficient in Object-Oriented Programming (OOP), Microservices architecture, and AI-driven solutions including RAG and NLP.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, Java, C++, SQL (PostgreSQL, MySQL), HTML5, CSS3

Frontend: React.js, Next.js, Redux Toolkit, React Native, Tailwind CSS, Bootstrap, SASS, Material UI

Backend: Node.js, Express.js, Spring Boot, RESTful APIs, GraphQL, Microservices, WebSockets

Cloud & DevOps: AWS (EC2, S3, Lambda, CloudWatch), Docker, Git, GitHub Actions, CI/CD, Agile/Scrum

AI & ML: OpenAI API, LangChain, RAG, NLP, TensorFlow, Scikit-learn, NumPy, Pandas, Computer Vision

Tools: Jira, Postman, Vercel, Netlify, Jest, Cypress, Firebase, Redis, MongoDB Atlas

Professional Experience

Tulio Textile Manufacturing Pvt. Ltd.

Dec 2024 – Present

Software Development Engineer

Gurugram, India

- Architected and deployed a cloud-based B2B e-commerce platform using React.js and Node.js on AWS, managing 1,000+ customizable product SKUs and real-time dynamic pricing.
- Designed a scalable Microservices architecture with Role-Based Access Control (RBAC), digitizing 100% of manufacturing workflows and reducing operational overhead by 80%.
- Developed an enterprise-grade ERP system for automated Bill of Materials (BOM) generation, improving inventory accuracy by 95% and reducing manual planning effort by 70%.

Value Creatives Tech Solutions LLP

Jul 2024 – Feb 2025

Full Stack Developer

Noida, India

- Engineered an AI-driven HR SaaS platform utilizing OpenAI API for automated candidate ranking, reducing manual screening time by 50% for enterprise clients.
- Implemented a high-performance media processing pipeline on AWS S3/Lambda with Rekognition for facial recognition, cutting media organization time by 70%.
- Optimized full-stack performance across 5+ client applications, achieving a 40% reduction in average API latency and 30% fewer production defects through TDD and code reviews.

Value Creatives Tech Solutions LLP (Trainee)

Aug 2023 – Jun 2024

Full Stack Developer Intern

Noida, India

- Optimized backend performance for e-commerce modules, improving API response times by 50% and Core Web Vitals (LCP) by 35% through Redis caching and SQL query optimization.
- Integrated scalable REST API modules and developed responsive UI components for applications supporting 10,000+ Monthly Active Users (MAU).

Projects

Plant Care AI | React Native, Node.js, Flask, Python, TensorFlow, AWS

- Developed a cross-platform mobile application with a custom CNN model (91% accuracy) to identify 27 crop diseases, improving diagnostic speed for 500+ pilot users.
- Engineered a microservices-based backend using Flask and Express.js, handling concurrent model inference requests with <200ms latency.
- Optimized deep learning models for mobile deployment via TensorFlow Lite and transfer learning, reducing model size by 60% without compromising accuracy.