

JATIN GUPTA

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PROFESSIONAL SUMMARY

Computer Science student (Pre-Final Year) with strong aptitude in software development, Data Structures and Algorithms, and Computer Science fundamentals. Experienced in web application development and cloud infrastructure using Java, C++, Python, and MERN stack. Strong interest in building scalable systems using big data technologies, cloud computing, and AI/ML to solve complex problems in automation, analytics, and marketing science.

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript ES6+, TypeScript, SQL, HTML5, CSS3

Web Applications: React.js, Next.js, Node.js, Express.js, RESTful Web Services, API Integration, Redux

Databases: MongoDB, MySQL, PostgreSQL, ETL Pipelines, Data Pipelines, Query Optimization

Cloud & DevOps: Cloud Infrastructure, AWS, Azure, Docker, CI/CD, Nginx, Linux, Git, GitHub, Agile

AI & Data Science: Machine Learning, Predictive Analytics, Process Automation, Big Data Processing, Data Analytics

CS Fundamentals: Algorithm Optimization, Data Structures, Operating Systems, Networking, OOP

PROFESSIONAL EXPERIENCE

Freelance Software Developer

January 2025 – November 2025

Bihar Innovation | Remote

- Collaborated with cross-functional teams to architect scalable web applications using MERN stack and cloud infrastructure
- Communicated effectively with stakeholders to gather requirements and optimize software performance using data structures and algorithms

PROJECTS

Document Processor - AI Backend | C++, Python, OpenCV, FAISS, Azure Cloud, Machine Learning

- Engineered automated data pipeline on Azure Cloud reducing processing time by ~40% using optimized data structures
- Integrated ML APIs with FAISS vector search for semantic document retrieval across big data

Pharmaceutical Management System | MERN Stack, Next.js, TypeScript, MongoDB

- Architected scalable healthcare platform with 7+ modules including scheduling, inventory, records, and automated billing

SnapDB - Multi-Database Management Platform | Next.js, Express.js, MongoDB, Socket.io, JWT

- Collaborated in Agile team with designers and backend developers to build database dashboard with real-time CRUD and WebSocket sync

Code-Teach - Coding Education Platform | MERN Stack, Compiler API, MongoDB

- Created interactive coding platform with multi-language compiler API, progress tracking, and usage analytics

EDUCATION

Bachelor of Engineering in Computer Science and Engineering

Expected 2027

Chitkara University, Punjab, India

Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS, Machine Learning, Cloud Computing

CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification** - Coursera (Andrew Ng)
- Advanced Learning Algorithms** - Coursera (Andrew Ng)