

Udit Jha

Software Developer | B.Tech in Computer Science and Engineering

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PROFESSIONAL EXPERIENCE

•Full Stack Developer

Nov 2024 – Mar 2026

Pallav Technologies

Gurugram, India

- Architected an end-to-end Microservices SSO system using Java Spring Boot and Microsoft Identity for secure, cross-platform auth.
- Engineered real-time features with WebSockets and Multi-threading, optimizing backend concurrency to handle 1,000+ simultaneous connections.
- Developed scalable Next.js and TypeScript applications, implementing Redux and TanStack Query for robust, high-performance state management.
- Optimized frontend architecture via Mantine UI and custom hooks, achieving 95+ Lighthouse scores and a 40

•Full Stack Developer

Apr 2025 - Oct 2025

Aventiq

Faridabad, India

- Architected serverless applications using AWS Lambda, API Gateway, and CloudWatch, reducing infrastructure costs by 35%
- Built responsive React (CloudFront) applications serving 50K+ users with 99.9% uptime and <200ms load times
- Developed 20+ Lambda functions with AWS CDK, implementing automated testing and deployment via CI/CD pipelines
- Designed RESTful APIs and optimized MongoDB/MySQL databases, improving query performance by 3x
- Implemented CloudWatch monitoring and alerting systems, reducing incident response time by 50%

PROJECTS

•Talk-A-Tive – Real-Time Chat Application

MERN Stack, Socket.io, JWT, WebSocket

- Architected scalable real-time messaging system with <100ms latency using Socket.io
- Implemented JWT-based authentication middleware with RBAC, securing 100% of API endpoints
- Designed message persistence layer with MongoDB, enabling instant chat history retrieval for 10K+ conversations
- Built notification system with real-time updates, increasing user engagement by 45%

•FoodLens – AI Recipe Discovery Platform

MERN Stack, Python, CNN, RESTful APIs

- Developed full-stack application with React frontend and Node.js backend, serving 500+ daily active users
- Integrated ML model APIs processing 1000+ image uploads daily with 92% accuracy in food recognition
- Implemented search and recommendation engine with optimized indexing, reducing query time by 60%

EDUCATION

•B.Tech in Computer Science and Engineering

2021-2025

J.C. Bose University of Science & Technology, YMCA, Faridabad

CGPA: 7.8/10

•Senior Secondary (PCMBE)

2019-2020

Apeejay School, Faridabad

83.6%

•Secondary School

2017-2018

Apeejay School, Faridabad

80.2%

TECHNICAL SKILLS

Frontend: React.js, Redux, Context API, HTML5, CSS3, Tailwind CSS, Material-UI, Responsive Design

Backend: Node.js, Express.js, RESTful APIs, GraphQL, WebSocket, Socket.io, Microservices Architecture

Databases: MongoDB, MySQL, PostgreSQL, Redis, DynamoDB, Database Optimization

Cloud & DevOps: AWS (Lambda, EC2, S3, API Gateway, CloudWatch, CDK), Docker, CI/CD

Programming: JavaScript, TypeScript, Python, C++, SQL

Tools: Git/GitHub, Postman, npm/yarn, GitHub Actions

Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, OOP, Software Engineering

ACHIEVEMENTS

300+ LeetCode problems (4 badges) | HackerRank: 3 star Problem Solving, 3 star C++, 5 star Python | CodeChef 3 star | JEE Mains AIR 33,058 | Udemy: 100 Days Python, A-Z ML, Web Dev Courses