Udit Sharma

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Professional Summary

Full-stack Software Developer and Computer Science undergraduate with expertise in **MERN** stack and **AWS**. Experienced in developing scalable web applications using **JavaScript/TypeScript** and implementing serverless architectures. Strong foundation in Data Structures, Algorithms, and modern web development practices.

Technical Skills

Core Competencies: Full-Stack Web Development, Cloud Computing, Software Engineering, Database Management
Programming Languages: JavaScript (ES6+), TypeScript, Python, Java, C++, SQL
Web Technologies: React.js, Node.js, Express.js, HTML5, CSS3, Tailwind CSS, RESTful APIs
Cloud & DevOps: Amazon Web Services (Lambda, DynamoDB, API Gateway, Cognito, Amplify), Git, GitHub, CI/CD
Databases & Tools: MongoDB, MySQL, DynamoDB, Postman, VS Code, npm, Version Control
Data Science: OpenCV, NumPy, Pandas, Plotly, Jupyter Notebook

Experience

Full Stack Development Internship - Codemithra-ETHNUS —> View Certificate   May 2024 - July 2024
Full Stack Developer Intern

    Project Goal: Develop expertise in MERN stack development and implement real-world web applications
    Key Responsibilities:
- Architected and developed full-stack applications using MongoDB, Express.js, React.js, and Node.js
- Led development team of 4 engineers, implementing agile methodologies and best practices
- Designed and implemented RESTful APIs and real-time data synchronization features

    Key Achievements:
- Achieved 95% performance rating in MERN Stack Development assessment
- Maintained 100% application uptime through efficient deployment strategies
- Implemented responsive design patterns ensuring cross-browser compatibility

    Technologies Used: MongoDB, Express.js, React.js, Node.js, RESTful APIs, Git, npm

Projects

AWS Serverless Finance Management Application —> View Live Demo   May 2024 - July 2024
React.js · AWS Lambda · DynamoDB · API Gateway · Cognito · Amplify · Chart.js · Tailwind CSS

- Developed serverless application architecture using React.js and AWS cloud services
- Implemented secure authentication flow using AWS Cognito and protected API routes
- Engineered real-time transaction tracking system with automated data synchronization
- Created interactive financial dashboards using Chart.js and Tailwind CSS
- Achieved 40% cost reduction through optimized AWS serverless architecture

IoT Cloud Integration Project - AWS Architecture —> View Project   March 2024 - April 2024
Python · AWS Lambda · DynamoDB · API Gateway · IoT Core · Cloud Architecture · RESTful APIs

- Designed and implemented IoT architecture utilizing AWS cloud services and edge computing
- Developed secure data transmission system with encryption and authentication
- Created scalable API infrastructure using AWS Lambda and API Gateway
- Implemented automated CRUD operations with DynamoDB for device management
- Built robust communication protocols between edge devices and cloud services

React.js Portfolio with TypeScript —> View Live Demo   Jan 2024 - Present
React.js · TypeScript · Tailwind CSS · Framer Motion · GSAP · Vercel

- Developed modern web application using React.js with TypeScript for enhanced type safety
- Implemented responsive design system using Tailwind CSS and custom animations
- Created reusable component library with performance optimization
- Integrated continuous deployment pipeline using Vercel and GitHub Actions
- Achieved optimal performance scores in Google Lighthouse metrics

Education

Vellore Institute of Technology, Chennai   *Chennai, India*
Bachelor of Technology (B.Tech) in Computer Science and Engineering CGPA: 8.58/10.0   *2022-2026*

Relevant Coursework: Data Structures & Algorithms, Web Development,
Database Systems, Computer Networks, Operating Systems