Sheetal Jatav

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SUMMARY

Innovative Software Developer skilled in MERN stack, Java, SQL, UI/UX design, and AI-driven tools (ChatGPT, GitHub Copilot). Proven ability to build scalable, user-centric applications and collaborate effectively with senior teams in fast-paced environments. Strong problem solver and communicator, excelling under pressure while continuously upskilling to tackle diverse tech challenges. Passionate about delivering creative, high-impact solutions that enhance user experience and business outcomes.

PROJECT

Eventura - Scalable Event Ticketing System
- Designed and developed a cloud-native event ticketing system using Spring Boot microservices, engineered to handle **multiple billions of transactions**.Integrated an AI-powered chatbot using **OpenAI** API that allows users to select text and receive instant explanations, enhancing concept clarity and engagement.
- Deployed on Kubernetes with Kafka-driven messaging for real-time seat locking, achieving 99.9% uptime.
- Integrated rometheus/Grafana for observability and ELK Stack for centralized logging, ensuring system resilience.
- Implemented CI/CD pipelines with Jenkins and Helm, reducing deployment time by 70% and enabling zero-downtime updates.

Full Stack - DSA Mastery Portal
- Developed a full-stack DSA Learning Portal where users can study all major data structures and algorithms, practice problems, and track progress using **Firebase** for user authentication and data storage.
- Integrated an AI-powered chatbot using **OpenAI** API that allows users to select text and receive instant explanations, enhancing concept clarity and engagement.
- Built using **React.js**, **Node.js**, **Express.js**, and **RESTful APIs**, ensuring smooth frontend-backend communication and a seamless, interactive learning experience.

Botnet Attack Detection in IoT Systems Using Deep Learning
- Built a botnet detection system with **Min-Max** Scaling and PCA, cutting memory usage by **91.89%**.
- Developed TensorFlow Autoencoder for anomaly detection, enhancing feature compression.
- Increased classification accuracy by 27.03% using advanced **LSTM and CNN models.**

Artificial Intelligence - E-Commerce Product Recommendation Engine
- Built an **AI-powered recommendation engine** using collaborative filtering to suggest products based on user behavior.
- Achieved **90%** accuracy by analyzing datasets with Python, NumPy, Pandas, and Scikit-learn, evaluated via precision, recall, and F1 score.
- Increased user engagement and conversion rates by **15%** with personalized suggestions.

EXPERIENCE

Artificial Intelligence Intern
CodeClause   April 2025 - May 2025
- Developed AI models using Python, TensorFlow, and NLP tools, improving model accuracy by 25%.
- Built data pipelines and optimized predictive models, reducing processing time by 30%.
- Enhanced collaboration and communication skills, contributing to a 20% boost in team efficiency.

Full-Stack Web Development Intern
Unified Mentor   October 2024 - January 2025
- Interning as a Web Developer at Unified Mentor, focusing on web development using **Firebase, HTML, CSS, JavaScript, and React JS.**
- Leveraging **Gen AI and GitHub Copilot** to optimize coding efficiency, enhancing development speed and accuracy by 20%.
- Gaining hands-on experience in modern web technologies while contributing to dynamic web applications and improving overall project quality by 20%.

Full-Stack Web Development Intern
BWS   October 2024 -December 2024
- Developed full-stack applications Node.js, **Node.Express,ss, and MongoDB,** boosting system performance by 20%.
- Optimized workflows with AI, reducing task completion time by 25%, and enhanced **front-end** functionality using **React.js.**
- Developed APIs to optimize data management and enhance application responsiveness, ensuring seamless user experiences.

EDUCATION

B.Tech
Minor in Computer Science and Engineering • SRM Institute of Science and Technology • Kattankulathur, Chennai, Tamil Nadu • 2024 • Sep-2020 - Jun-2024|8.23 CGPA

SKILLS

MERN Stack | React.js | Node.js | Express.js| Langchain |MongoDB | Firebase | HTML | CSS | JavaScript | Java | Python | C | C++ | System Design| Excel | Generative AI | UI/UX Design | GitHub

CERTIFICATIONS

- **Web Development Fundamentals** (IBM SkillsBuild) | **Machine Learning** (Stanford University)| **Database Foundation** (Oracle Academy)| **Google Cloud**(Coursera) | **Web Analytics** (Great Learning Academy)| **UI/UX Design** (Great Learning Academy) | **Human Resource Management Certification** (Great Learning Academy) | **The Complete Network Fundamentals Course** (Udemy)

COURSEWORK

- Data Structures and Algorithms | Artificial Intelligence | Operating Systems | Software Development Life Cycle| Object-Oriented Programming | Computer Networks| Database Management System •