

Sheetal Jatav

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SUMMARY

Motivated Software Developer with expertise in the **MERN stack, UI/UX design, Java, SQL, and AI tools like ChatGPT and GitHub Copilot**. Skilled in building user-centric applications and collaborating effectively with senior teams. A strong communicator who thrives under pressure, solves complex problems, and is passionate about continuous learning. Open to exploring diverse tech challenges and delivering innovative, scalable solutions in a fast-paced environment.

PROJECTS

Full Stack - SuperMall Website Design

- Developed SuperMall, a responsive e-commerce platform integrated with Firebase for seamless database management and real-time data syncing.
- Improved website performance, reducing load times by **20%**, which significantly enhanced user experience and retention.
- Implemented distinct profiles for merchants and consumers, streamlining product management and transactions, leading to 20% faster order processing.

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**.

Deep Learning - Electronic Health Records (EHR)

- Created a **deep learning** solution to detect medical images with **80% accuracy**.
- Achieved 90% precision in cancer and tumor detection through optimized models.
- Facilitated secure, cross-organization EHR access, improving healthcare data usability.

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

Web Development Intern

Unified Mentor

October 2024 - Present, Gurugram Haryana

- 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, New Delhi

- Developed full-stack applications using **Node.js, Express, 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 | MongoDB | Firebase | HTML | CSS | JavaScript | Java | Python | C | C++ | System Design | 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 •