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

- Developed a personalized e-commerce recommendation engine using **AI** and **collaborative filtering** to suggest products based on users' purchase history, viewed items, and ratings.
- Analyzed large datasets using **Python**, **NumPy**, **Pandas**, and **Scikit-learn**, achieving a **90%** recommendation accuracy and evaluating performance through **precision, recall, and F1 score**.
- Enhanced user engagement by offering tailored product suggestions, increasing conversion rates by **15%**.

EXPERIENCE

Web Development Intern

Unified Mentor   **October 2024 - Present，Gurugram Haryana**

- Interning as a Web Develope**r** 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)| **Network Fundamentals** (Udemy) | **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