Sheetal Jatav

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PROJECTS

Full Stack - SuperMall Website Design
October 2024 -December 2024
- 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
November 2023 -December 2024
- Built a **botnet detection** system with **MinMax 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)
August 2023 - November 2024
- 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
February 2023 - May 2023
- 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

Full-Stack Web Development Intern
BWS   October 2024 - Present，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.
- Designed and deployed **RESTful APIs**, streamlining data handling and responsiveness.

EDUCATION

B.Tech
Minor in Computer Science and Engineering • SRM Institute of Science and Technology • Kattankulathur, Chennai, Tamil Nadu • 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 | TensorFlow | NumPy | Pandas | Scikit-learn

CERTIFICATIONS

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)

COURSEWORK

Data Structures and Algorithms | Artificial Intelligence | Design Analysis and Algorithms | Object-Oriented Programming | Operating Systems | Software Development Life Cycle

SUMMARY

MERN Stack Web Developer skilled in UI/UX design, Java, SQL, and AI tools like ChatGPT and GitHub Copilot. Expert in crafting responsive, user focused websites. **Adaptable and committed to exploring and excelling in diverse tech fields to deliver innovative solutions.**