

# Sheetal Jatav

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## SUMMARY

**Motivated Software Developer** with expertise in the **MERN stack, Angular, Java, SQL, Python, and AI tools like ChatGPT and GitHub Copilot**. Skilled in designing user-centric applications and integrating solutions using Java. Strong problem solver, adaptable, and committed to continuous learning. Excels in collaborative environments and fast-paced settings, delivering innovative, scalable solutions.

## 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.
- Implemented reporting features to generate actionable insights from customer interactions.
- Implemented distinct profiles for merchants and consumers **using HTML, CSS, Javascript, Firebase**, streamlining product management and transactions, leading to 20% faster order processing.

### Customer Relationship Management (CRM)

- Developed a customer relationship management (CRM) system using Java for customer data management.
- Integrated the system with a SQL database for efficient data storage and retrieval.
- Implemented reporting features to generate actionable insights from customer interactions.

### 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 and language using **Python**.
- Integrated **REST API** for secure data exchange between hospitals and medical imaging systems.

## EXPERIENCE

### 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 ReactJS.
- 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 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

HTML | CSS | JavaScript | Excel | NetWeaver JAVA | MERN Stack | SQL | Power Point | React.js | Node.js | Angular | Linux | Python | MongoDB | Spring Boot | Django | Firebase | XML | Java | C | C++ | System Design | JSON | Typescript | Generative AI | CI/CD | UI/UX Design | MySQL | PostgreSQL | GitHub | Git

## CERTIFICATIONS

- Web Development Fundamentals** (IBM SkillsBuild) | **Database Foundation** (Oracle Academy) | **Google Cloud** (Coursera) | **Web Analytics** (Great Learning Academy) | **UI/UX Design** (Great Learning Academy) | **The Complete Network Fundamentals Course** (Udemy) | **Python** (HackerRank) | **SAP Certified Technology Associate - System Administration** (Udemy) | **Introduction To SAP** (Great Learning Academy) | **Machine Learning** (Stanford University)

## COURSEWORK

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