

EDUCATION

Master of Computer Applications (MCA)
University of Petroleum and Energy Studies

(2023 – 2025)
CGPA: 8.15

PERSONAL PROJECTS

Hospital Management System

Nov 2024 - Dec 2024

- Role: Developer
- Developed a Java-based application to manage hospital operations including patient records, doctor details, and appointment scheduling
 - Integrated PostgreSQL using JDBC to ensure reliable and efficient data storage across modules
 - Focused on modular design principles, improving usability and maintaining data consistency throughout the system

Stock Price Prediction Model

June 2024 - July 2024

- Role: Developer
- Developed a machine learning model to forecast S&P 500 stock prices using historical data from Yahoo Finance API
 - Applied feature engineering techniques like moving averages and trend analysis to enhance prediction accuracy
 - Used Python, Pandas, NumPy, and scikit-learn for data preprocessing, model training, and evaluation

PROFESSIONAL EXPERIENCE

IBM - Summer Intern

FRAS: Face Recognition Attendance System

Feb 2025 - May 2025

- Role: Developer
- Developed an automated attendance system using Python, OpenCV, and Haar Cascade for real-time facial detection and recognition.
 - Implemented face registration and recognition features using the face_recognition library, enabling accurate, contactless attendance logging.
 - Designed an interactive Tkinter GUI for user-friendly registration, attendance capture, and CSV-based data storage, enhancing usability and record-keeping.

Society for Inclusive Development

IoT Based Fire Alarm System

June 2022 – July 2022

- Designed and implemented a real-time IoT-based fire alarm system using ESP8266, temperature sensor, and gas detection modules.
- Connected and configured components like a piezo buzzer and temperature sensor for immediate local alerts and remote monitoring.
- Achieved a 60% improvement in response time and 75% alert accuracy, with a 40% reduction in operational costs via web-based interface controls.

TECHNICAL SKILLS

Programming Languages: Java, Python
Frameworks & Tools: Spring Boot, Postman (API testing), GitHub
Web Technologies: HTML, CSS
Database Management: SQL, PostgreSQL, JDBC
Testing Types: Manual Testing, Functional Testing, Regression Testing, Integration Testing
Operating Systems: Linux (Basic)
Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Software Engineering
Areas of Interest: Manual Testing, Web Application Development
Soft Skills: Communication, Teamwork, Problem-Solving

CERTIFICATIONS

Completed 30 Days of Google Cloud Program (2021)
CCNAv7: Introduction to Networks (2022)