

MOHAMED AFZAL A

COMPUTER SCIENCE ENGINEERING | FULL STACK DEVELOPER | AI/ML ENTHUSIAST

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PROFESSIONAL SUMMARY

Computer Science Engineering student with strong expertise in **Full Stack Development** and **Machine Learning**. Skilled in building scalable web applications using **React.js**, **Node.js**, RESTful APIs, and developing AI-driven solutions including NLP, LLaMA-based chatbots, and predictive models. Passionate about creating data-driven, high-performance applications with real-world impact.

EDUCATION

- Sathyabama Institute of Science and Technology, Chennai** 2022 – 2026
B.E. Computer Science and Engineering
- Kalaimagal Matric Higher Secondary School, Chidambaram** 2020 – 2022
Higher Secondary Education

WORK EXPERIENCE

Full Stack Developer Intern Sep 2025 – Dec 2025
Infosys Springboard

- Developed a civic cleanliness reporting & tracking system to enable citizens submit and monitor street-level issues
- Built a responsive and interactive frontend using React.js across multiple devices
- Designed intuitive UI components to streamline issue submission & status tracking
- Implemented structured workflows for real-time status updates and transparency
- Collaborated with cross-functional teams for requirement analysis & delivery
- Followed best practices to ensure clean, scalable, and maintainable code

PROJECTS

Mental Health Chatbot – AI/ML Python | NLP | LLaMA

- Engineered an AI-powered emotional wellness chatbot using Python & NLP
- Integrated LLaMA (Meta AI) via Groq API for real-time conversational support
- Implemented emotion detection & sentiment classification for high-risk alerts
- Automated Email & SMS alerts for critical mental health scenarios
- Added voice assistant & mood tracking for enhanced user engagement

Disease Prediction System – Machine Learning Python | Streamlit | ML

- Built ML models (Random Forest) to predict Diabetes & Heart Disease
- Performed data preprocessing, feature engineering & model evaluation
- Developed an interactive dashboard using Streamlit for real-time predictions
- Achieved high accuracy through hyperparameter tuning & evaluation metrics

Hotel Reservation System – Frontend HTML | CSS | Responsive

- Developed a responsive hotel booking web application using HTML & CSS
- Designed modern UI/UX with clean layouts & interactive components
- Ensured cross-device compatibility & seamless user navigation

TECHNICAL SKILLS

Languages Java JavaScript Python
Frontend HTML5 CSS3 React.js
Backend Node.js Express.js REST APIs
AI/ML Scikit-learn NLP Pandas
NumPy LLaMA
Database MySQL MongoDB

TOOLS & PLATFORMS

📄 Git 🔄 GitHub 🖱️ VS Code
🎨 Figma 🎨 Canva 🖼️ Photoshop

CERTIFICATIONS

- Cisco AICTE Virtual Internship Program (Cybersecurity)** – Cisco Networking Academy
May 2024 – July 2024
Student ID: STU662f4a726ba401714375282
- Full Stack Development – Credo Systemz**
July 2024 – October 2024
Candidate ID: CSZ2024618
- Machine Learning – Imarticus Learning**
Feb 2025 – March 2025 (40 hrs)
Mini Project: Multi-Disease Prediction
Register No: 0789-032025
- Oracle Cloud Infrastructure 2025 Foundations Associate** – Oracle
October 16, 2025
Cert ID: 100595952OCI25FNDCFA
- Infosys Springboard Internship 6.0 (B3)**
Sep 2025 – Nov 2025
Project: Civic Issue Reporting & Tracking Application

CORE COMPETENCIES

- ✓ Full Stack Web Development
- ✓ RESTful API Development
- ✓ Machine Learning & Data Analysis
- ✓ Natural Language Processing (NLP)
- ✓ AI Chatbot Development (LLaMA)
- ✓ Problem Solving & Debugging
- ✓ Responsive UI/UX Design
- ✓ Team Collaboration & Agile