

# Asifa Firdhouse F

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## Objective

A highly motivated and technically proficient B.E. student specializing in Artificial Intelligence and Machine Learning, with a solid academic background and hands-on experience in backend development, machine learning models, and web technologies. Committed to continuous learning and the practical application of emerging technologies to solve real-world challenges. Actively seeking opportunities to gain industry exposure, collaborate with professionals, and contribute effectively to innovation-driven projects in a dynamic environment.

## Technical Skills

- **Programming Languages:** Python, C Programming(Basic)
- **Web Development:** Basic frontend using HTML, CSS, JS
- **Machine Learning:** Scikit-learn, Explainable Boosting Machine (EBM), Data Preprocessing, Model Evaluation
- **Backend Development:** FastAPI, REST APIs, Pydantic, Thunder Client, Django
- **Tools and Platforms:** Git, Github, VS Code
- **Database:** My SQL(Basic)

## Education

<b>Meenakshi College of Engineering</b> , BE in Artificial Intelligence and Machine Learning	Sept 2023– (current)
• CGPA: 8.48	
• Coursework: Python, Frontend Development, Robotics, AIML	

## Experience

<b>Talent Acquisition- Lead</b> , NexJireh Solutions	April 2025 – July 2025
• Leading end-to-end recruitment processes, including sourcing, screening, and onboarding of candidates	
• Collaborating with project teams to identify talent needs and align hiring strategies with company goals	
• Conducting interviews, managing candidate pipelines, and ensuring timely hiring decisions	
• Contributing to employer branding and improving candidate experience through streamlined communication	

<b>Client Acquisition- Lead</b> , NexJireh Solutions	July 2025 - Sept 2025
• Identified and approached potential clients to establish new business partnerships and expand company outreach	
• Collaborated with the marketing team to develop client engagement strategies and promotional materials	
• Conducted client meetings, presentations, and follow-ups to understand requirements and propose tailored solutions	
• Maintained client relationships through consistent communication, ensuring satisfaction and long-term collaboration	
• Assisted in drafting proposals and quotations aligned with client needs and organizational objectives	

<b>Python Developer Intern</b> , PS8 Networks	Sept 2024- Nov 2024
• Developed an AI-based chatbot using Python to automate responses and enhance user interaction	
• Implemented NLP techniques for intent recognition and conversational flow	
• Collaborated with the development team to integrate the chatbot into existing platforms	
• Gained practical experience in AI, APIs, and real-time application development	

## Projects

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### Smart Predictive Maintenance System for Surgical Robots

Team Project(Ongoing)

- Built a FastAPI backend for sensor data processing and real-time ML predictions
- Integrated NodeMCU sensors using Explainable Boosting Machine(EBM)
- **Role:** Backend Developer

### NeuroDefence

Team Project(Ongoing)

- Built an AI + IoT wearable using EEG signals to monitor stress levels and trigger automatic emergency alerts.
- Programmed real-time signal processing and emergency response logic for unconscious or high-risk states.
- **Role:** Hardware-Software Integrator, Backend Developer

### DeepFake Detection

Team Project(Ongoing)

- Developed an AI-based system to detect manipulated media (deepfakes), trace IP sources, and alert users of cyber threats in real-time
- Implemented phishing detection and legal report generation modules for victim support and evidence logging
- **Role:** Backend Developer

### GCU Z° – Smart Dress Code and Entry Monitoring System

Team Project(Ongoing)

- Collaborated with multiple departments to develop an AI-powered system for automated dress code and entry monitoring.
- Integrated crowd detection, fine management, and real-time notifications for students and staff
- **Role:** AI Model Trainer

### Face Recognition Attendance Sysytem

May 2025

- Developed a live face detection system using OpenCV and Python
- Enabled admin dashboard, student photo registration, and CSV export of attendance.
- **Role:** UI and UX Designer

### Alumni Portal

September 2024

- Designed and developed a web-based alumni portal to connect students and graduates
- Implemented user management and interaction modules with full-stack integration
- **Role:** Team Lead, Backend Developer

## Achievements

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Smart India Internal Hackathon - 2024 (Participated)

MSME Hackathon - 2025 (Participated)

SAWIT AI Hackathon - 2025 GUVI/HCL

## Certifications

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- Robotics(5 days course) - Pantech Learning
- Python(Beginner) - GUVI
- Generative AI - GUVI
- Project Management - Great Learning
- Cyber Job Simulation - Deloitte
- Big Data - Infosys
- Powe BI(Workshop) - Imarticus Learning