

Mohd Irfan

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SOFTWARE ENGINEER

Software engineer with hands-on experience in distributed systems, Linux environments, and scalable machine learning applications. Proficient in Python, C++, and system-level programming, with a focus on building end-to-end solutions in AI, cloud, and full-stack domains. Driven by a passion for solving complex problems and creating impactful, user-centric technologies.

EDUCATION

- **Bachelor of Technology in Artificial Intelligence and Data Science, JNTUH.** 2022-26
Vardhaman College of Engineering, Shamshabad CGPA: 8.12
- **Intermediate in MPC, Telangana Board of Intermediate Education (TGBIE).** 2020-22
Sri Chaitanya Junior College, Hyderabad Percentage: 94.9
- **Tenth Class, Telangana Board of Secondary Education (BSET).** 2020
Narayana High School, Hyderabad CGPA : 10.00

ACADEMIC PROJECTS

- **Bone Fracture Detection Using InceptionV3** 🔗 Oct 2024 – Dec 2024
An ML project for detecting bone fractures from X-ray images using Convolutional Neural Networks.
 - The project focuses on improving radiological diagnostic efficiency by leveraging transfer learning techniques
 - Improves accuracy using pre-trained deep learning models for feature extraction.
 - Published as a research paper in E3S Web of Conferences (Vol. 619, ICSGET 2025).
 - Technology Used: Python, Convolutional Neural Networks (CNNs).
- **Zidio-Real-Time Workplace Emotion Dashboard** 🔗 Mar 2025 – May 2025
Developed a real-time AI dashboard for detecting employee emotions using facial and voice inputs.
 - Designed a multimodal emotion pipeline using DeepFace and Whisper for facial and speech analysis.
 - Engineered feature fusion logic to generate unified "session moods" such as engaged, stressed, or burned out.
 - Built a FastAPI-based backend to log emotion events and support RESTful access by front-end apps.
 - Technologies Used: Python, DeepFace, Hugging Face, Whisper, OpenCV, FastAPI, Streamlit, SQLite, Jupyter, Git.
- **Gmail Attachment Downloader Bot Automation Using UiPath** 🔗 May 2025
Automated the download of email attachments from unread Gmail messages using UiPath RPA.
 - Utilized UiPath Studio to build a workflow that connects to Gmail via IMAP protocol.
 - Demonstrated automation working with distributed email systems, aligning with real-world system integration.
 - Technologies Used: UiPath, IMAP, Gmail App Password, Git, GitHub

INTERNSHIP

- **Data Science & Analytics Intern** Mar 2025 – Apr 2025
Zidio Development Online
 - Analyze and process large datasets to extract meaningful insights.
 - Develop and optimize machine learning models for data-driven solutions.
 - Create visualizations and dashboards to present key findings.
- **Power BI Intern** Mar 2025 - May 2025
CODTECH IT SOLUTIONS PVT. LTD, Hyderabad Online
 - Developed interactive data visualizations and dashboards using Power BI.
 - Analyzed and optimized business intelligence reports for better insights.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, SQL

Operating Systems: Unix/Linux (Ubuntu), Bash

Systems & Networking: TCP/IP, REST APIs, Multithreading, Distributed Systems

ML & AI Libraries: NumPy, Pandas, OpenCV, Hugging Face, TensorFlow, Keras, PyTorch, Scikit-learn, TF-IDF

Frameworks & Tools: FastAPI, Flask, Streamlit, ReactJS, Docker, GitHub Actions

Databases: MySQL, PostgreSQL

Cloud & DevOps: Firebase, Basic AWS, Git, GitHub

Core CS Concepts: Data Structures & Algorithms, Operating Systems, Computer Networks, Databases, OOPS.

SOFT SKILLS

Problem-solving, Leadership, Adaptability, Collaboration, Cross-functional teamwork, Presentation, Communication.

CERTIFICATIONS

- **Paper Presentation Certificate for Sentiment Analysis of Movie Reviews** 🔗 Feb 2025
- **Introduction to DevOps, IBM** 🔗 May 2024
- **Programming in Java, Swayam, NPTEL** 🔗 Jan 2025 – Apr 2025