

Firdose Ara

Portfolio [↗](#) | GitHub [↗](#) | LinkedIn [↗](#)

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Location: Tumkur, Karnataka

Professional Summary

AI and Data Science professional with a strong foundation in **machine learning, data analysis, and intelligent systems**. Skilled in developing data-driven solutions and applying AI techniques to solve real-world problems. Focused on continuous learning and innovation in the field.

Education

Shridevi Institute Of Engineering and Technology

Dec 2022 – Aug 2026

BACHELOR OF ENGINEERING IN AI AND DATA SCIENCE; **GPA: 8.82/10.0**

Skills

- **AI / ML / DS:** TensorFlow, PyTorch, Transformers, CNNs, Scikit-learn, Computer Vision, NLP, Data Analysis
- **Python Libraries:** Pandas, NumPy, OpenCV, Matplotlib, Seaborn, Streamlit, CustomTkinter
- **Web Development:** HTML, CSS, JavaScript, Flask, Django, Bootstrap
- **Cloud & DevOps:** Git, GitHub, Linux, Google Colab, Jupyter Notebook
- **Databases:** MySQL, MongoDB, SQLite
- **Languages:** Python, C, C++, SQL, R, Julia

Experience

National Level Hackathon Participant

2024

- **Developed** an AI-powered solution optimizing model efficiency under constraints.
- **Collaborated** with a team to prototype and present a project within a limited timeframe.

Microsoft AI Community Day Attendee

2025

- **Explored** advancements in AI, cloud computing, and DevOps.
- **Engaged** with industry professionals, expanding technical knowledge.

Projects

Skin Cancer Detection System

Python, CNN, Deep Learning

[\[GitHub\]](#) [↗](#)

- Built a deep learning model using CNN to classify different types of skin cancer from medical images.
- Enhanced accuracy using data augmentation and transfer learning techniques.

Smart CCTV Surveillance System

Python, OpenCV, AI

[\[GitHub\]](#) [↗](#)

- Developed an AI-based real-time object and face detection system using OpenCV.
- Integrated motion detection and alert system to enhance security monitoring.

Virtual Clinic Platform

Python, AI, WebRTC

[\[GitHub\]](#) [↗](#)

- Designed an AI-enabled telemedicine solution supporting real-time video consultations.
- Implemented doctor-patient matching based on availability and specialization.

Achievements

- Participated in **4+ hackathons**, showcasing real-world problem solving and rapid prototyping skills.
- Solved **150+ problems on LeetCode**, strengthening algorithmic and data structure knowledge.
- Recognized for consistent academic performance and active contribution to technical events at college level.