

# MANNAN FAIZ

Software Engineer - Data Science and  
Machine Learning Enthusiast

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Aspiring Software Engineer & Data Science Professional with academic grounding in AI, Machine Learning, Deep Learning, Database Systems, and Cloud Computing. Enthusiastic about expanding skills in Python and Java and leveraging them to deliver innovative, technology-driven outcomes.

## Work Experience

### TECHNICAL EVENTS

Present

ACTIVE IEEE member

FOSS MEETUP & HACKATHON PARTICIPANT

INSTRUCTOR & COORDINATOR –ANIVESHANA'25

EVENT LEAD – hireXperience (ANIVESHANA '25)

NCAT 2025 PARTICIPANT

- Attended **FOSS Meetup Shivamogga** and participated in **FOSS Hackathon 2023**, gaining exposure to open-source development, collaborative coding, and innovative problem-solving.
- Served as an **Instructor** in technical workshops and contributed to the smooth execution of Aniveshana 2k25, ensuring strong participant engagement..
- Led **HireXperience**, a recruitment simulation event, by framing coding round questions, designing rules, and coordinating event operations.
- Competed in the **All India Naukri Campus Aptitude Test**, enhancing problem-solving, reasoning, and analytical skills through a national-level contest.

## Projects

### DIABETES PREDICTION System

Mar 2025 - Apr 2025

Developed a machine learning model to predict diabetes using classification algorithms. Implemented with Python, Scikit-learn, Pandas, and deployed via a user-friendly interface for health prediction.

### Dance Mirror

Present

Built an interactive game using Mediapipe, HTML5, and JavaScript where players mimic AI-generated dance moves within time limits. Achieved real-time movement validation through pose detection.

### YouTube Summary Generator

May 2025 - May 2025

Developed a YouTube video summary generator utilizing Streamlit for the interface and Google API for extracting and summarizing video transcripts.

### Breath Flow

Present

Developed a mindfulness game using Mediapipe, HTML5, and JavaScript that tracks breathing patterns via face movement. Synchronized with an animated bubble to promote relaxation and deep breathing.

### Employee Attrition System

Mar 2025 - Apr 2025

Designed a predictive analytics system to forecast employee attrition. Applied Random Forest, Logistic Regression, and data visualization techniques to support HR decision-making.

# Melanoma Cancer Detection using Deep Learning and Image Processing

Aug 2025 - Present

Implementing a Convolutional Neural Network (CNN) for a mobile deployment solution aimed at enhancing the accuracy and speed of early cancer detection (melanoma).

## Core Skills

Java, Python, C ,C++, HTML, CSS, JavaScript, TensorFlow, Scikit-learn, Power BI, Vercel, Streamlit, Pandas, Machine Learning, Data Science, React.js, MySQL

## Education

### JAWAHARLAL NEHRU COLLEGE OF ENGINEERING

Nov 2022 - Present

**B.E.** Computer Science

GPA: 9.06/ 10.0

### SRI AUROBINDO PU COLLEGE

Sep 2020 - Sep 2022

**12th** PCMB

GPA: 95.5%

### BHARATIYA VIDYA BHAVAN SHIVAMOGGA

Jun 2019 - May 2020

**10th**

GPA: 89.8%

## Languages

**Kannada** (*Native*), **English** (*Professional*), **Hindi** (*Conversational*)

## Certificates

### Data Structures and Algorithms Using Java

NPTEL

### Introduction to Generative AI Concepts

Microsoft Learn

## Interests

Ai and ML, Web Development, Cricket,Hiking.