PAVAN M G

Bengaluru, India ✉ pavanmg99649@gmail.com ☐ 6360270028 in [linkedin](#) ⌁ [portfolio](#)

SUMMARY

Entry-level Python Developer & Machine Learning enthusiast with hands-on experience in AI, data processing, computer vision, and full-stack development. Skilled in Python, OpenCV, Pandas, Flask/FastAPI, SQL, and real-time applications. Driven to contribute to software development, automation, and data-driven product engineering.

TECHNICAL SKILLS

• Programming: Python, Java
• Machine Learning: ANN, Regression, Classification, Computer Vision
• Libraries/Tools: NumPy, Pandas, OpenCV, MediaPipe, TensorFlow, PyTorch
• Backend: Flask, FastAPI, REST API Development
• Frontend: HTML, CSS, JavaScript, React.js, Bootstrap
• Database: MongoDB, SQLite, MySQL
• Tools: Git, GitHub, Jupyter Notebook, VS Code
• Operating Systems: Windows, Ubuntu

PROJECTS

AI-Driven Personalized Fitness Coach Adaptive Image Workout Analytics
Python | OpenCV |MediaPipe | NumPy
Developed an AI-driven fitness coaching system capable of real-time pose detection using OpenCV and Mediapipe, enabling accurate joint tracking and form-validation during workouts. Real-Time AI-Driven Personalized Fitness Coach with Live Pose and Adaptive image Workout Analytics.

Receipt & Bill Analyzer - Full Stack OCR Application
Python | Streamlit | SQLite | Pandas
Python | Streamlit | SQLite | OCR | Data Visualization. Developed an end-to-end full stack Streamlit -based web application to upload receipts (PDF, image, text) and extract structured data (vendor, amount, date) using OCR and parsing logics. Implemented search, sort, and aggregation algorithms to analyze total spend, vender or frequency, and monthly trends.

EDUCATION

Master of Computer Applications (MCA) | Atria Institute of Technology, Bengaluru | 2025 |
CGPA: 8.41

Bachelor of Science (Physics & Computer Science) | Tumkur University, Tumkur| 2024 |
CGPA: 7.81

CERTIFICATIONS

Deep Learning for Developers - Infosys Springboard
Artificial Intelligence in Real World – upGrad
Adobe Graphic Designer - Academy of Media & Design, Tamil Nadu
Python for Data Science- Infosys Springboard

ACHIEVEMENTS

• Two-time runners in Volleyball – Led team to victory in inter-college volleyball tournaments.
• One-time Champion in Ball Badminton – Secured titles in regional-level competitions.
• Best Volunteer Recognition – Espoire Club – Honored for outstanding contribution and leadership in organizing community outreach and student engagement activities
• Completed multiple online courses on Udemy, NPTEL, Infosys Springboard, IBM and Great Learning to enhance technical skills.