Piyush Funde

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/ github/piyushFunde |

PROFESSIONAL SUMMARY

Computer Science student with a strong foundation in Data Structures, Algorithms, and Object-Oriented Programming. Proficient in Java, Python, and JavaScript with hands-on experience in full-stack development and RESTful APIs. Passionate about building scalable, efficient software systems using clean code and modern technologies.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++,
Backend: Spring Boot, REST APIs , Flask APIs
Web Technologies: HTML, CSS, JavaScript
Databases: SQLite, MongoDB, SQL
Cloud & DevOps: AWS (Basics), Git, GitHub, Docker

EXPERIENCE

Software Engineering Virtual Experience / Sep 2025
JPMorgan Chase & Co. (Forage)
- Completed hands-on software engineering tasks including project setup, Kafka integration, and H2 database configuration.
- Developed and integrated RESTful APIs and controllers following industry best practices.
- Gained practical experience in backend system design and event-driven architectures.

PROJECTS

Bedside Bot   2024 – 2025
Flask, OpenCV, Mediapipe, DeepFace, SpeechRecognition
- Built an AI-powered hospital assistant enabling gesture, voice, and emotion-based patient interaction.
- Implemented real-time hand gesture recognition with 94% accuracy across 7 commands at 25 FPS.
- Integrated DeepFace for emotion detection and SpeechRecognition for hands-free command processing.
- Developed a responsive Flask web application integrating multiple ML models into a unified interface.

Expense Tracker   2023
Python, Tkinter, SQLite
- Implemented expense recording, categorization, and tracking features for personal finance management.
- Designed interactive dashboards to provide insights into spending patterns and budgeting habits.
- Engineered automated data import functionality for integrating bank statements and external financial data.
- Integrated security measures to protect sensitive financial information and ensure data integrity.

EDUCATION

MIT Art, Design and Technology University   Pune, Maharashtra
B.Tech in Computer Science - CGPA: 7.37   *2022 – 2026*

S.H Junior College   Nagpur, Maharashtra
XII (HSC) - Grade: 75.83%   *June 2021*

ACHIEVEMENTS

Smart India Hackathon (Internal Round, 2024): Selected among the Top 50 teams out of 564 entries at MIT ADT University.

Multi-assistant Model for Bedridden Patients, International Journal for Innovative Research in Technology (IJIRT), May 2025.