

# TADI SOUMITH REDDY

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## PROFESSIONAL SUMMARY

Dynamic and results-driven Python Developer with hands-on experience in designing, developing, and deploying scalable web applications and AI-driven solutions. Skilled in Core & Advanced Python, Django, Flask, Machine Learning, Deep Learning, and OpenCV, with a solid background in RESTful API development and data-driven problem-solving. Adept at collaborating in Agile environments, optimizing backend performance, and delivering production-ready solutions that bridge software engineering and artificial intelligence.

## PROFESSIONAL EXPERIENCE

**Associate Software Engineer (Python Developer)** — Hirepre Technology Pvt. Ltd., Hyderabad (Apr 2024 – Present)

- Design, develop, and maintain backend systems using Python, Django, and Django REST Framework.
- Build and optimize RESTful APIs for efficient communication between frontend and backend.
- Manage MySQL databases and perform query optimization.
- Collaborate in Agile/Scrum teams for timely project delivery and quality assurance.
- Configure authentication and token management, and deploy applications on AWS/Heroku.

## KEY PROJECTS

**Project Management System (PMS)** (Python, Django, REST Framework, MySQL, Bootstrap, JavaScript)

Developed an internal PMS for task tracking, authentication, and project management, improving workflow efficiency by 30%.

**Internal CRM System** (Python, Django, MySQL, REST API, JavaScript)

Built a CRM platform with CRUD APIs, authentication, and dashboards for leads and clients, reducing manual work by 25%.

**Face Mask Detection System** (Python, TensorFlow, Keras, OpenCV)

Developed a real-time face mask detection app using CNNs and OpenCV, achieving 95% accuracy and live camera integration.

**Brain Tumor Classification System** (Python, TensorFlow, Keras, OpenCV, NumPy)

Trained a CNN to detect brain tumors from MRI scans with 92% accuracy and deployed it via a Flask web interface.

## TECHNICAL SKILLS

**Languages:** Core Python, Advanced Python, JavaScript, SQL

**Frameworks:** Django, Flask, Django REST Framework

**Machine Learning:** Scikit-learn, NumPy, Pandas, Matplotlib

**Deep Learning & CV:** TensorFlow, Keras, OpenCV

**Web:** HTML5, CSS3, Bootstrap, JSON

**Databases:** MySQL, SQLite

**Version Control:** Git, GitHub

**Tools:** VS Code, Postman, JIRA

**Cloud:** AWS (Basic), Docker (Basic)

**Methodologies:** Agile / Scrum

## **CERTIFICATIONS**

- IT Specialist Certificate in Python – Pearson (Sept 2022)
- Arduino Training – Spoken Tutorial Project, IIT Bombay (Nov 2022)

## **EDUCATION**

**Bachelor of Technology (ECE)** – Aditya Engineering College, JNTUK (2020 – 2024) — CGPA: 6.76

**Intermediate (MPC)** – Narayana Junior College, AP Board (2018 – 2020) — Score: 8.28

**SSC** – Bhashyam E.M. School, AP Board (2018) — Score: 9.8

## **ADDITIONAL INFORMATION**

- Immediate availability for Python, AI, or Full Stack roles.
- Strong analytical and debugging skills with a focus on clean, maintainable code.
- Passionate about AI-driven software and full-stack system design.