PURVA GAWADE

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EDUCATION

Master of Computer Applications (MCA), MIT World Peace University 2024 – 2026
Relevant Coursework: Data Structures & Algorithms, AI, Web Development, Database Management Systems
Bachelor of Computer Science, MIT World Peace University 2021 – 2024
CGPA: 8.12 / 10.00

SKILLS

Languages	Python, C, JavaScript, SQL, HTML/CSS
Frameworks & Libraries	Flask, TensorFlow, Keras, OpenCV
Developer Tools	Git, GitHub, VS Code, Jupyter Notebook
Core Concepts	Deep Learning, OOPs, Operating Systems, Network Security

EXPERIENCE

Data Science Intern Mar 2024 – Apr 2024
MIT-WPU *Pune, India*

- Developed and trained foundational deep learning models for image classification using **Python**, **Keras**, and **TensorFlow**, contributing to a key academic research project.
- Utilized **OpenCV** for pre-processing image datasets, which involved cleaning and normalization, improving model training accuracy by over **10%**.
- Collaborated with a research team to analyze and interpret model results, providing insights that guided subsequent stages of the AI system development.

PROJECTS

DimeDex: Personal Finance Tracker *Personal Project*

- Developed a full-stack financial management application using **Flask** for the backend, **MongoDB** for the database, and **HTML/CSS** for the frontend.
- Engineered secure user authentication and a dynamic dashboard with interactive visualizations to provide actionable budgeting insights.
- Implemented the **50/30/20 budgeting framework** and automated goal tracking, providing users with a structured approach to manage their finances effectively.

AI-Based Age and Gender Detection *Academic Project*

- Built and trained a Convolutional Neural Network (CNN) in **Python** using **Keras** and **TensorFlow** to predict age and gender from image data.
- Achieved **96%** accuracy for gender detection and **85%** accuracy for age prediction within an 8-year margin by training the model on a large-scale public dataset.
- Implemented a real-time detection feature using **OpenCV** to process video streams, demonstrating the model's practical application in live environments.