

POORNIMA SHANMUGANATHAN

PYTHON DEVELOPER | AI & DATA ENTHUSIAST | IT/CS EDUCATOR

91+9869365936 | ✉ poornimanadar1234@gmail.com | 📍 India, Mumbai | 🔗 [LinkedIn](#) | 🌐 [Portfolio](#)

PROFESSIONAL SUMMARY

M.Sc. IT topper and Assistant Professor in IT/CS with hands-on experience in Python, Flask, and TensorFlow/Keras through live projects and CNN image classification models. Delivered practical labs and mentored students on GitHub collaborative projects. Seeking to leverage pedagogical expertise and technical proficiency in AI/ML to solve complex backend challenges.

KEY SKILLS

- **Programming & Frameworks:** Python, Flask, TensorFlow, Keras, Django
- **Web & Frontend:** HTML5, CSS3, JavaScript (Basic), Responsive Design
- **Databases & Tools:** SQL/MySQL, Git/GitHub, Jupyter Notebook, Google Colab
- **Concepts:** RESTful APIs, Neural Networks, Data Preprocessing, Predictive Modeling
- **Other:** Problem-solving, project management, technical mentoring

WORK EXPERIENCE

Assistant Professor (IT/CS) – Pune Vidyarthi College, Ghatkopar | July 2025– Present

- Mentored 50+ students in developing Production-ready Python scripts and version control via Git.
- Introduced Git/GitHub workflows and version control practices for collaborative projects.

EDUCATION & CERTIFICATIONS

Education:

Master of Science (Information Technology) – 2023-2025

Sree Narayana Guru College (University of Mumbai)

CGPA: **8.75 / 10**

Overall Percentage: **79.4%**

Certifications:

- CS50's Web Programming with Python & JavaScript – Harvard (In Progress)
- freeCodeCamp – Responsive Web Design Certification (In Progress)
- Python Developer Certificate – SoloLearn (May & June 2025)

PROJECTS & PORTFOLIO

- **AI Image Classification CNN Model (M.Sc. Final Year) – 2024–2025**
 - Tech: Python, TensorFlow, Keras, Google Colab
 - Engineered a CNN using TensorFlow/Keras that achieved 94% validation accuracy on FER2013.
 - Delivered applied AI solution with documented results on GitHub.
 - GitHub Repository: [Project Source Code](#)
- **Sentiment Analysis Tool – 2023–2024**
 - Tech: Python, Flask, NLTK, Git/GitHub
 - Developed a program to analyze text sentiment (positive/negative/neutral) from reviews/social media.
 - Implemented preprocessing, model training/prediction, and accuracy evaluation.
 - GitHub Repository: [Project Source Code](#)
- **Portfolio Website:** poornima-shaja.github.io demonstrating projects and interactive apps.