



K.PONVISHNU

Aspiring Python, AI & Web Developer | Passionate About Machine Learning & Deep Learning | Fresher

CONTACT

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EDUCATION

PTR College of Engineering and Technology

B.E. in Electronics & Communication Engineering – Pursuing
CGPA: 7.55 (Till Date)

AUM Municipal Higher Secondary School

HSC – 78.5% (2020)
SSLC – 70.2% (2018)

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, JavaScript (Basic)
- **Web Technologies:** HTML, CSS, Bootstrap
- **Libraries/Frameworks:** TensorFlow, OpenCV, scikit-learn, NumPy, Pandas, Matplotlib
- **Tools:** Git, GitHub, VS Code
- **Databases:** SQL (Basic), MySQL (Basic)
- **Cloud & DevOps:** AWS (S3, EC2 - Basic), CI/CD Concepts
- **Other Skills:** Machine Learning, Deep Learning, Computer Vision, Technical Documentation
- **Soft Skills:** Quick Learner, Team Collaboration, Time Management, Communication, Adaptability
- **Languages:** Tamil, English

PROFESSIONAL SUMMARY

Motivated and detail-oriented Python and AI Developer (Fresher) with hands-on experience in building intelligent, data-driven applications. Skilled in Python, machine learning, deep learning, and computer vision. Completed a 6-month internship in AI development and developed real-world projects involving chatbots, image processing, and object detection. Eager to contribute to innovative teams and grow in a dynamic development environment.

INTERNSHIP EXPERIENCE

Python & AI Developer Intern

Novitech R&D Private Ltd, Tiruchirappalli Sept 2024 – Feb 2025

- Developed intelligent systems using Python focused on AI and automation.
- Handled data preprocessing, model training, and evaluation using libraries like Pandas and scikit-learn.
- Applied machine learning and computer vision techniques in real-time applications.
- Supported backend logic and integrated basic frontend using HTML, CSS, and JavaScript.

PROJECTS

1. Omniverse AI Assistant (Flagship Project)

Technologies: Python, CustomTkinter, Gemini API, Vosk, Diffusers, gTTS, FPDF, Pandas, OpenCV

- Built an advanced AI-powered desktop assistant capable of real-time speech recognition, text-to-speech, image generation, document creation (PDF, Word, PPT, Excel), resume building, and health prediction.
- Integrated Gemini Pro API for contextual responses and Stable Diffusion for image generation.
- Implemented voice input using Vosk and created a modern GUI using CustomTkinter.

2. Health Tracker Chatbot

Python, NLP, Tkinter

- Designed a chatbot to collect user health data and provide real-time suggestions using NLP techniques.

3. Leaf Disease Detection System

Python, TensorFlow, OpenCV

- Built a machine learning model for classifying plant diseases using image inputs.

4. Object & Face Detection

Python, OpenCV

- Created a real-time system for detecting human faces and objects using Haar cascades.

CERTIFICATIONS

- Python Development – Novitech (Certified)
- AI, ML & Deep Learning – Novitech (Certified)
- MS Office – Naan Mudhalvan