

# Gowtham Ravichandran

## Python Developer – AI/ML – 1.7+yrs of experience

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

**Python Developer** with **1.7+ years of experience** building **data automation tools, analytics dashboards, and LLM-based applications, and speech analytics solutions**. Proven impact in automating **financial workflows, streamlining reporting, and deploying open-source LLM models for chatbot development and creating scalable Python-based solutions** for enterprise clients including **Flipkart, Tanishq, and Axis MaxLife**. Delivered enterprise-grade tools saving **100+ hours** monthly.

### TECHNICAL SKILLS

**Programming & Tools** – Python (Pandas, Numpy, Plotly, Scikit-Learn), SQL, Power BI, Docker, Git, Linux

**ML/DL/NLP** – Supervised, Unsupervised, Reinforcement Learning, Neural Networks, Tensorflow, Statistical Analysis, Hypothesis Testing, A/B Testing

**Prompt Engineering & LLM** – RAG, LangChain, LlamaIndex, Vector databases (ChromaDB, Qdrant, Faiss), Automatic Speech Recognition (ASR), AI Agents

### WORK EXPERIENCE

#### Valuestream Business Solutions Pvt Ltd

Jul 2024 – Present

*Python Developer*

*Location: Bangalore*

- Developed a **real-time STT+TTS speech service** integrating OpenAI Whisper, Mistral Voktral, and Azure SST API enabling multilingual transcription with **95% accuracy**, improving **agent productivity by 30%**
- Built **in-house document-QA chatbot** for policy insurance documents, product FAQs, and personalized offer assistants for Tanishq
- Hands-on** evaluation and optimization of **LLMs (Flash 1.5, LLaMA, Gemma, Mistral, OpenAI GPT)** with prompt engineering, fine-tuning, and inference improvements using Hugging Face Transformers.
- Hands-on** with **LangGraph, LlamaIndex and LangChain Agents** to build workflow-driven AI agents capable of chaining multiple retrieval and reasoning steps
- Automated **real-time sales KPI** dashboard for Tanishq in Power BI, reducing manual reporting by **90%**
- Built a Python web-based app generating **4+ analytics reports** for *Exide Life Insurance*, reducing manual reporting time by **40%**
- Developed an **auto agent assignment model** using Dash and SQL, reducing manual effort by **3 hours in a day**
- Built a Dash-based web app to clean and standardize customer phone number data for *CANHSBC Bank*, improving accuracy and **saving ~15 minutes per report (~7+ hours/month)**
- Automated** the file download and report processing using Power Automate, saving **~1 hour daily**

#### ClaySys Technologies

Jan 2023 - June 2023

*Product Engineer (LI) [RPA Team]*

*Location: Coimbatore*

- Developed **8+ UI modules** for the RPA Genie 8.0 project, improving user satisfaction by 75%
- Led end-to-end **BOT development** including design, development and testing for Genie 8.0 project
- Developed a **campus recruitment portal**, creating 10+ specialized modules to support student recruitment

### CERTIFICATIONS - [LINK](#)

- Data Analytics Essentials, Cisco Networking Academy, Nov'23
- Oracle Cloud Infrastructure Foundations Associate, Sep'23
- SQL (Basics & Intermediate) – Hacker rank

### EDUCATION

**Kongu Engineering College**

Sep 2020 – May 2023

*B.Sc., Information Systems, Full-Time with CGPA: 8.93*

*Location: Erode, TamilNadu*