

Jaishak J

Chennai, India (Open to Remote/Relocation) | +91 93455 89347 | jaishak.dev@gmail.com

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

EDUCATION

Jeppiaar Institute of Technology (Anna University)

B.Tech – Artificial Intelligence and Data Science

Aug 2021 – May 2025

CGPA: 7.34/10.0

PIUS XI HR SEC School, Kanyakumari

Higher Secondary – Computer Science

Apr 2019 – May 2021

Percentage: 76.5%

EXPERIENCE

Machine Learning Intern

Retech Solutions Pvt. Ltd

Aug 2023 – Sep 2023

Chennai, India

- Built 3 predictive models using TensorFlow and scikit-learn achieving 87% accuracy on customer churn prediction across 50,000+ records through feature engineering with Pandas
- Cut model training time by 40% via hyperparameter tuning and deployed models using FastAPI and Docker with 200ms inference latency
- Performed data analysis identifying 12 key features that improved model performance by 15% and reduced false positives from 24% to 13%

Social Media Marketing Intern

GEEKSGOD

Dec 2021 – Feb 2022

Bhopal, India (Remote)

- Boosted Instagram engagement by 65% (2.1% to 3.5%) analyzing 10,000+ interactions with Python analytics tools
- Automated reporting with Python and SQL cutting manual work from 8 hours to 45 minutes weekly, improving campaign reach by 23%

PROJECTS

AI Video Summarization with YOLOv5 & LLM | *Python, YOLOv5, GPT-4 API, Flask*

Dec 2024 – Present

- Developed video analysis system using YOLOv5 for object detection and GPT-4 for natural language summaries, cutting manual review time by 75%
- Built Flask web app processing 30 FPS streams in real-time with 92% accuracy through optimized frame sampling

Customer Support Chatbot with RAG | *LangChain, Pinecone, FastAPI, React*

Aug 2024 – Nov 2024

- Created RAG-powered chatbot reducing support response time by 50% using vector search across 5,000+ documents
- Implemented conversation memory increasing multi-turn accuracy from 68% to 89% and reducing agent escalations by 35%

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML/CSS

ML/AI: TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, OpenCV, LangChain, NLP, Computer Vision

Web Dev: React.js, Node.js, FastAPI, Flask, REST API, Docker, Git

Data Tools: PostgreSQL, MySQL, Excel, Tableau, Statistical Analysis

OS/Tools: Linux, Bash Scripting, Shell Commands

CERTIFICATIONS

Claude Code in Action, Model Context Protocol (Advanced & Intro), AI Fluency Framework – Anthropic (2024-25)

Joy of Computing with Python – NPTEL | **Network Essentials** – NAAN Mudhalvan (2022-24)