

Anvin Shibu

ASPIRING MACHINE LEARNING ENGINEER WITH A ROBUST FOUNDATION IN PROMPT ENGINEERING

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SUMMARY

Aspiring Machine Learning Engineer and Prompt Engineer with a strong foundation in data science and expertise in machine learning algorithms, NLP, and cloud computing. Skilled in designing and deploying AI models, crafting optimized prompts for large language models, and leveraging advanced technologies to solve complex problems. Proven experience in executing innovative projects and delivering impactful solutions. Demonstrated excellence in competitive hackathons and practical applications of cutting-edge AI and ML systems.

WORK EXPERIENCE

Data Science Intern | Bumblebee.inc

Jun 2023 – Aug 2023, Coimbatore, India

- Developed and maintained data pipelines to automate ETL processes.
- Performed exploratory data analysis on large datasets to identify patterns and trends.
- Analyzed customer behavior using predictive analytics techniques such as regression, clustering, and decision trees.
- Built machine learning models for classification and regression problems.
- Conducted A/B testing experiments to optimize user experience.
- Collaborated with stakeholders from various departments to develop business insights from data.
- Implemented natural language processing algorithms for text-based analysis tasks.
- Documented data engineering workflows in Jupyter notebooks for reproducibility purposes.

Data Analyst Intern | Bumblebee

Jun 2024 – Jun 2024, Coimbatore, India

Data Analyst Intern at Bumblebee, responsible for analyzing data and providing insights to improve business processes.

VOLUNTEERING

Hackathon Mentor | Sri RamaKrishna Engineering College

Coimbatore, TamilNadu

Guided participants in implementing AI and LLM solutions during college hackathons

Workshop Conductor | Sri RamaKrishna Engineering College

Coimbatore, TamilNadu

Conducted technical workshops on NLP for college students.

EDUCATION

Bachelor's Degree in Computer Science | Sri Ramakrishna Engineering College

Aug 2022 – May 2026 • Coimbatore • India

7.5

- Studied and became conversational in Spanish during a semester abroad in Mexico.
- Currently completing courses in computer science, robotics, and statistics.
- Served as President of Student Council for the 2024 to 2026 academic year.

SKILLS

- **Technical Skills :** Html5, R, SQL, Python, Machine learning, Tableau, TensorFlow, PyTorch, GPT, BERT, T5, Pandas, NumPy, Matplotlib, Seaborn, YOLOv8, OpenCV, GANs, Docker, Kubernetes, AWS, Azure
- **Soft Skills :** Communication Skills, Time management, Leadership, Writing skills, Organizational skills, Critical Thinking and Problem-Solving, Collaboration in Agile Teams
- **Tools :** Microsoft Word, Microsoft Excel, Microsoft PowerPoint, SAS, Agile, Project management

CERTIFICATIONS

Deep Learning Specialization | Coursera

Covers foundational knowledge on neural networks, CNNs, RNNs, and deep learning optimization techniques

AWS Machine Learning Specialty Certification | AWS

Provided expertise in deploying ML models on the cloud.

Google Professional Machine Learning Engineer | Google Cloud

Focuses on production-level ML workflows, data pipelines, and deployment.

Udacity AI for Healthcare Nanodegree | Udacity

Advanced understanding of healthcare-specific ML solutions.

MIT Professional Certificate in Machine Learning & AI | MIT

High-end program covering theoretical and practical ML aspects.

PROJECTS

Aether Med (Tech-based Startup Project) | Project Manager & Lead Developer

October 2023 – Present, Atlanta, Georgia

- Directed the innovative design and development of Aether Connect, an AI-enhanced telemedicine platform utilizing AR3D to transform patient interaction experiences.
- Integrated cutting-edge large language models which improved patient engagement rates by 35% within the first three months of deployment.
- Led a cross-functional team of 20+ professionals, utilizing Agile methodologies to ensure timely project completion and adherence to high-quality standards.
- Spearheaded strategic partnerships with key healthcare institutions, achieving a 40% increase in platform adoption among target demographics.

Nova Project | Concept Creator & Developer

June 2023 – October 2023, Coimbatore, TamilNadu

Built a learning management system targeting students with backlogs in their academics. Implemented automated topic suggestions using NLP models. Created an interactive chatbot using GPT models for 24/7 study assistance.

AI-driven Patient Simulation Model | Lead Developer

November 2023 – February 2024, Coimbatore, TamilNadu

Built a 3D patient simulation model linked with LLMs for realistic medical training. Worked on data preprocessing and training Generative Adversarial Networks (GANs) for synthesizing 3D models.

Autonomous Medical Diagnosis System | ML Architect & Deployment Engineer

December 2023 – June 2024, Coimbatore, TamilNadu

An AI-driven system capable of analyzing medical data (images, text, and vitals) to predict and diagnose diseases with minimal human intervention. Used YOLOv8 and Transformers for real-time analysis of X-rays, MRIs, or CT scans. Integrated a multi-modal LLM Flamingo by DeepMind to combine image and text inputs for more comprehensive diagnostics

Tech Stack: PyTorch, TensorFlow, OpenCV, Flask/Django for deployment.

Intelligent Task Manager | Prompt Designer & NLP Specialist

July 2024 – August 2024, Coimbatore, TamilNadu

Develop a productivity tool powered by GPT and Reinforcement Learning that can: Automate scheduling based on deadlines and priorities. Generate task-specific prompts for faster completion. Integrate with calendar systems and to-do apps.

Tech Stack: OpenAI GPT API, LangChain, AWS Lambda

Real-time Multilingual AI Assistant | Model Trainer
August 2024 - November 2024, Coimbatore, TamilNadu

Developed a voice-based AI assistant that can translate, transcribe, and summarize in real time for multilingual communication. Incorporated Whisper (OpenAI’s speech-to-text model) and GPT-4 for summarization. Focused on high accuracy and latency reduction for real-world usability.

Tech Stack: PyTorch, Whisper API, LangChain, Twilio for voice integration.