

Arjun Vavullipathy

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CAREER OBJECTIVE

Aspiring AI/ML Engineer with experience in predictive modeling, GenAI systems, and AI product development. Built high-accuracy ML models (88%+), optimized business reporting (20% error reduction), and developed prototypes like PlanLift (2D→3D renders) and a GoQ LLaMA 3.1 chatbot.

EDUCATION

St Josephs University, 07/2022 – 06/2025 | Bangalore
Bachelor of Computer Applications (Data Analytics)
– CGPA: 7.7 (First Class with Distinction)

EXPERIENCE

AI Intern, Oryzed 07/2025 – Present | Bangalore
Currently developing an AI-powered chatbot using GoQ LLaMA 3.1, focusing on conversational accuracy, integration workflows, and scalable deployment architecture.

Business Data Analyst Intern, Green Builders & Interiors 12/2023 – 08//2025 | Bangalore
• Supported **business reviews & client outreach** by cleaning inconsistent multi-state financial data.
• Standardized invoice/quotation templates & built **Power BI dashboards**, consolidating 213+ records.
• Cut reporting errors by **20%**, enabling faster data-driven pricing decisions.

Analyst Intern, Sastic Minds 08//2025 – Present | Coimbatore
Performing data cleaning and integration for iron casting process datasets, laying foundation for predictive modeling to optimize performance and resource allocation.




PROJECTS

Suicide Prediction with Interactive Dashboard 01/2024 – 03/2024
• Engineered a **supervised ML model with PCA** to predict suicide risk, achieving **88% accuracy**.
• Developed an **interactive dashboard** visualizing high-risk demographics for actionable intervention.

Drug-Likeness Prediction Using Deep Learning 02/2024 – 05/2024
• Developed **deep learning pipeline (Conv1D + BiLSTM)** on **250k+ chemical compounds**, predicting drug-likeness with strong performance metrics.
• Optimized through **hyperparameter tuning**, improving generalization and reducing training variance.

PlanLift, AI-Driven Blueprint-to-3D Prototype (MVP) 08/2025 – 08//2025
• Built a **full-stack MVP** that converts 2D floorplans (PNG/PDF) into 3D-style renders using AI.
• Developed **frontend** (Next.js, Tailwind, Framer Motion) for floorplan upload, style presets, and preview renders.
• Designed **backend API** (Node.js, Express, Cloudinary, Replicate SDK) to handle file uploads and trigger Qwen/ControlNet inference.

CERTIFICATES

- Excel Skills for Business – Macquarie University (Coursera) – Intermediate Level 
- Supervised Machine Learning – DeepLearning.AI, Stanford University 
- Advanced Learning Algorithms – DeepLearning.AI, Stanford University 

SKILLS

Programming & Tools (Python (pandas, scikit-learn, PyTorch), SQL | Node.js, Next.js, Tailwind, Express | Power BI, Git, Linux, Cloudinary, Replicate SDK)

Machine Learning & AI (Supervised Learning, NLP, Deep Learning (Conv1D, BiLSTM) | Feature Engineering, Model Optimization & Deployment | Large Language Models (GoQ LLaMA 3.1, Qwen/ControlNet))

Data Analytics & Reporting (Predictive Modeling, Dashboarding & Reporting | Data Cleaning & Integration | End-to-End AI Product Development)

LANGUAGES

English, Malayalam (native), Hindi, Tamil, Kannada (limited), French (basic)