

Arya Yemul



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EDUCATION

B.Tech

Vishwakarma Institute Of Information Technology • Pune • 2023 - 2027 • 8.86/10

Senior Secondary (XII)

Nowrosjee Wadia Junior College • Pune • 2023 • 81.67%

Secondary (X)

Hume McHenry Memorial High School • Pune • 2021 • 88.33%

SKILLS

Skills 1: Python, C++, HTML, CSS, JavaScript, Node.js, MySQL, MongoDB, TensorFlow, PyTorch, scikit-learn, Keras, NumPy, pandas, matplotlib, seaborn, FastAPI, Docker, CI/CD, Power BI, LangChain, Hugging Face Transformers, Supervised & Unsupervised Learning(ML Models), NLP, Computer Vision.

PROJECT

Autonomous Data Analyst AI Agent

- Built a Python-based data analysis pipeline using LangGraph to orchestrate tool-driven workflows for data preprocessing, exploratory analysis, and visualization. Generated interactive HTML visualizations for exploratory analysis and embedded static snapshots into automated PDF reports, reducing manual analysis turnaround time by.

Career Guidance Chatbot

- Built a career decision platform combining Random Forest-based salary prediction with live job-market scraping to evaluate role feasibility based on user skill profiles. Integrated a retrieval-augmented LLM layer using LangChain for explanation and recommendation traceability.

FarmLink- Farm-to-Market Data & Transaction Platform (Android + SQL)

- Developed an Android application backed by a relational database to connect farmers with buyers, enabling crop listings, order management, and real-time communication across the agricultural supply chain. Designed normalized SQL schemas and API workflows to support inventory tracking, transactional integrity, and role-based access for multiple user types.

Plant Disease Classification

- Built a CNN-based image classification system exposed through a REST API for real-time plant health detection, with containerized deployment using Docker.

CERTIFICATIONS

AWS Academy Graduate - Generative AI Foundations

AWS Academy • 2025

Complete Data Science, ML, DL & NLP Bootcamp

Udemy • 2025

PowerBI

udemy, Virtual • Feb 2023 - Apr 2023