



# Arya Yemul

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## EDUCATION

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### 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

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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

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### 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

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### 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