

Ameya Ajay Jadhav

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PROFILE

AI & Data Engineer with hands-on experience building Python-based data pipelines, RAG applications, and backend APIs. Skilled in LangChain, retrieval workflows, SQL, and cloud deployment using Azure. Strong foundation in data processing, ETL basics, and developing practical, end-to-end AI solutions. Experienced in applying data engineering and machine learning concepts through internship and academic projects.

PROFESSIONAL EXPERIENCE

Data Analyst Intern, NullClass Edtech Pvt Ltd • Analysed 100k+ records using Python (Pandas, NumPy, Matplotlib) to identify business patterns. • Built interactive Power BI dashboards, reducing manual queries by 30%. • Cleaned and optimized large datasets in Excel for better data quality and faster processing. • Delivered weekly insights with product and engineering teams to improve student engagement strategies.	09/2024 – 12/2024
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EDUCATION

PG Diploma, Savitribai Phule Pune University Data Science and Ai	09/2023 – 10/2024 Pune,India
Bachelors Of Science, Savitribai Phule Pune University Cyber Security and Digital Science	08/2020 – 07/2023 Pune,India
Diploma, Marathwada Mitra Mandal Polytechnic Computer Engineer	07/2017 – 07/2020 Pune,India

SKILLS

Programming Languages: Python, SQL, Java, JavaScript

Machine Learning & Deep Learning: Scikit-Learn, ML Algorithms (Classification, Regression, Clustering), Feature Engineering, Model Training & Evaluation, Cross-Validation, Neural Networks, CNN (Beginner), RNN (Beginner), Transformers (Beginner), TensorFlow (Beginner), PyTorch (Beginner)

Natural Language Processing: Text Preprocessing, Tokenization, Sentiment Analysis (Beginner), NER (Beginner), spaCy (Beginner), HuggingFace Transformers (Beginner)

Data Engineering: Pandas, NumPy, PySpark (Basic), ETL, Data Cleaning, Data Pipelines

Databases: MySQL, PostgreSQL, SQL Server, Oracle, MongoDB (Beginner), Neo4j (Beginner)

Generative AI / LLMs: GPT, Claude, Gemini, OpenAI API, LangChain, LCEL, RAG Pipelines, Prompt Engineering, AI Agents, LangGraph

DevOps / MLOps / Cloud: Docker, CI/CD, Azure, Kubernetes (Beginner), Linux (Basic), Git

Other: Debugging & Troubleshooting, Problem Solving, Communication Skills

PROJECTS

- Driver Sleeping Detection**
- Developed a real-time eye-tracking system using OpenCV + Dlib to calculate Eye Aspect Ratio (EAR).
 - Triggered alerts for prolonged eye closure, improving system responsiveness during testing.
 - Implemented frame-by-frame analysis with efficient pre-processing for smooth real-time performance.
- Real Estate Price Prediction**
- Designed RESTful APIs using Django to serve ML model predictions.
 - Connected backend to Oracle (PL/SQL), optimizing stored procedures for faster data retrieval.
 - Deployed on Azure App Service using CI/CD pipelines (Azure DevOps).
 - Handled dataset cleaning, feature engineering, and model evaluation.
- E-commerce Backend API using Django**
- Built CRUD APIs for users, products, and orders using Django REST Framework.
 - Integrated basic React components to test user flows.
 - Deployed with Docker + Azure DevOps to improve deployment reliability.

LANGUAGES

- English
- Marathi
- Hindi