

# Vedant Andhale

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## Objective

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Engineer with a B.E. in AI & Data Science, with hands-on exposure to building backend services, data pipelines, and ML-powered applications deployed to cloud. Proficient in Python, FastAPI, and LLM integrations, demonstrated through self-driven projects built and shipped independently. Comfortable working across the full stack and leveraging AI tools to accelerate development.

## Education

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**Savitribai Phule Pune University** 2021 - 2025  
Bachelor of Engineering in Artificial Intelligence and Data Science (CGPA:7.75) Nashik, Maharashtra

## Technical Skills

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**Languages and Data:** Python (Pandas, NumPy, Requests, curl-cffi), SQL (MySQL, PostgreSQL)

**AI / Backend:** FastAPI, OpenAI API, Azure AI, Prompt Engineering, async Python

**Cloud and DevOps:** Google Cloud Run, Docker, GitHub Actions CI/CD

**Tools:** Git, VS Code, Power BI, Jupyter Notebook

## Projects

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### AmbitionBox Corporate Salary Scraper

**Tools Used:** Python, curl-cffi, GitHub Actions, Pandas | [GitHub](#)

- End-to-end scraping pipeline for Indian corporate salary data; bypassed JS rendering and bot-protection via TLS fingerprint impersonation (curl-cffi).
- Automated batch scraping via GitHub Actions CI matrix: 10 parallel jobs, each processing 10 companies per run.
- Reverse-engineered Nuxt.js SSR payloads to recover exact salary figures obfuscated in HTML.
- Structured output to CSV with configurable delay parameters; ready for downstream EDA and dashboard analysis.

### Crop Cure Bot

**Tools Used:** Python, FastAPI, PyTorch, WhatsApp Cloud API, Docker, GCP | [GitHub](#)

- WhatsApp bot that detects grape diseases from leaf images using a custom ResNet9 Hybrid model (ECA + Spatial Attention, 98% confidence threshold, 4-class).
- FastAPI backend with async message handling; multilingual support across English, Hindi, and Marathi via google-trans.
- Delivers treatment advice (cultural, chemical, organic) and product recommendations within a single WhatsApp conversation flow.
- Containerized with Docker and deployed to Google Cloud Run using a scripted deployment pipeline (deploy.sh).

### Financial Consumer Complaints Dashboard

**Tools Used:** Power BI, DAX | [GitHub](#)

- Analyzed 75K+ complaint records to surface dispute rate and resolution trends via KPI-driven dashboards.
- Identified underperforming product segments through interactive drill-down analysis.

### Urban Air Quality Analysis

**Tools Used:** Python, Pandas, Plotly, Scikit-learn | [GitHub](#)

- Analyzed 50K+ IoT sensor records; applied K-Means clustering to segment 20+ stations into pollution tiers.
- Benchmarked six pollutants against NAAQS standards; delivered insights in a time-boxed hackathon.

## Experience

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**AI and Cloud Intern**, Edunet Foundation – Remote February 2024 - March 2024

- Built and validated predictive ML models in Python on clinical datasets to identify disease patterns.
- Performed data cleaning and EDA to improve input quality for model pipelines.

## Certifications

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- AWS Certified Cloud Practitioner, Valid until 2028 | [Credential](#)
- Microsoft Certified: Azure AI Fundamentals | [Credential](#)
- Microsoft Certified: Azure Data Fundamentals | [Credential](#)
- GitHub Certified: GitHub Foundations | [Credential](#)
- Google Data Analytics Certificate | [Credential](#)