AYUSH GOSWAMI

ML Engineer | Python Developer

+91 8375935484 □ Mumbai, India

ayushhhgos@gmail.com □ LinkedIn □ GitHub □ Portfolio

EDUCATION

Vellore Institute of Technology – Chennai, B.Tech in Computer Science　　　September 2022 – Present
CGPA: 8.1
Relevant Coursework: Object oriented programming, Data Structures and Algorithm, Database Management Systems, Operating Systems, Computer Networks, AWS, Data Science, Artificial Intelligence
Navyug Convent Sr. Sec. School　　　April 2020 – March 2022
Higher Secondary School Certificate: 83%
Amity International School　　　April 2014 – March 2020
Secondary School Certificate: 90%

WORK EXPERIENCE

Data Analysis Intern – SiyaCloud Private Limited　　　June 2025

During the course of the internship, I was actively involved in analysing sales data, generating actionable insights, and supporting the business intelligence needs of the company. My responsibilities included:

- Cleaning and preprocessing raw sales data for analysis
- Identifying key sales trends and performance metrics across 15+ product categories, leading to a 10% improvement in category-level performance tracking
- Contributing to demand forecasting models that achieved >85% accuracy by analysing historical purchase behaviour and seasonal trends

CERTIFICATES

- **Machine Learning Specialization** *Stanford University & DeepLearning.AI (Coursera) (Certificate)*
- Solutions Architecture Job Simulation, *AWS APAC (Forage) (Certificate)*
- Advanced Software Engineering Job Simulation, *Walmart USA (Forage) (Certificate)*
- Career Essentials in Generative AI, *Microsoft (Certificate)*
- Artificial Intelligence Job Simulation, *Cognizant (Forage) (Certificate)*
- Database Management System, *Scalar (Certificate)*

SKILLS

- **Programming Languages:** Python, R, Java, SQL, C, C++
- **Machine Learning & AI:** Supervised & Unsupervised Learning, Model Evaluation, Scikit-learn, TensorFlow, PyTorch, NLP (SpaCy, Cohere API), Feature Engineering, Model Optimization, Real-time Inference
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, OpenCV, Excel, Tableau, Data Preprocessing, Exploratory Data Analysis (EDA), Data Cleaning, PostgreSQL
- **Tools & Platforms:** Git, Figma, AWS (basic), Netlify, Vercel, Flask, FastAPI, RESTful APIs
- **Soft Skills:** Problem-Solving, Critical Thinking, Communication, Time Management

PROJECTS

Real-Time Emotion Detector *(Project)*
Deployed an AI-powered emotion analysis web application that takes text input and visualizes the emotional composition through dynamic, size-responsive bubbles representing seven core emotions (fear, contempt, disgust, sadness, anger, happiness, surprise) with ~90% accurate detections..

AI-Powered Pneumonia Detection from Chest X-Rays
Built an automated pneumonia detection pipeline using transfer learning and self-attention, achieving 92.14% test accuracy. Deployed with TensorFlow/PyTorch for real-time inference and scalable cloud-based clinical use.