DEBASISH PAUL

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PROFESSIONAL SUMMARY

Engineering intern with experience in AI/ML, Data Engineering, and real-world problem-solving. Skilled in building data pipelines, automation, and AI applications while collaborating with cross-functional teams. Adaptable, innovative, and committed to delivering industrial projects on time with high quality.

CORE COMPETENCIES

- **Programming & Tools: Python, SQL, Power BI, GitHub**
- **AI/ML & Data Science: TensorFlow, PyTorch, Scikit-learn, Keras, Hugging Face Transformers, Llama 3.1**
- **Data Engineering: ETL workflows, Data Pipelines, Automation (Airflow, Cron), Big Data tools (Spark, Kafka)**
- **Web Scraping: BeautifulSoup, Scrapy, Selenium, Requests**
- **Cloud Platforms: AWS, Azure ML Studio, S3, BigQuery, Snowflake (familiar)**
- **Soft Skills: Problem-solving, Adaptability, Cross-cultural Collaboration, Communication**

INTERNSHIP EXPERIENCE

ZIDIO Development – Data Science and Analytics Intern ***Feb 2025 – Apr 2025***

- **Designed data pipelines for preprocessing unstructured data.**
- **Built Generative AI and NLP models simulating human-like responses.**
- **Applied ETL operations to ensure data consistency and quality.**
- **Explored MLOps integration with Docker and automation workflows.**

Codsoft – Machine Learning Engineer Intern ***Oct 2024 – Nov 2024***

- **Implemented data preprocessing pipelines and automated workflows.**
- **Gained exposure to Airflow and Spark for large-scale data handling.**
- **Built supervised ML models and visualized insights using Matplotlib & Seaborn.**

Languify – Artificial Intelligence Engineer Intern ***Nov 2023 – Dec 2023***

- **Analyzed business datasets using SQL and Python.**
- **Developed ETL scripts to prepare structured datasets.**
- **Created interactive dashboards using Power BI for operational KPIs.**
- **Supported automation of reporting pipelines to improve data reliability.**

PROJECTS

Web Scraping & Automation

- **Built automated web scraping pipelines using Requests, BeautifulSoup, and Selenium.**
- **Parsed and extracted data into CSV/DB, automated workflows with Airflow/Cron.**
- **Designed monitoring scripts to ensure data reliability and quality.**

AI Chatbot with Llama 3.1

- **Built a locally running AI chatbot using LLM (Llama 3.1) with minimal hardware.**
- **Deployed using Streamlit with structured logging for conversations.**

Vision Transformer on CIFAR-10

- **Implemented a Vision Transformer for image classification.**
- **Achieved ~90% accuracy through optimized image encoding.**

Stock Market Prediction (RNN)

- **Built an RNN model for stock price prediction using yfinance API.**
- **Optimized time-series modeling to achieve ~88% accuracy.**

CERTIFICATIONS & ACHIEVEMENTS

- Crash Course on Python – Google (Coursera)
- Python Data Structures – University of Michigan (Coursera)
- Microsoft Certified: Azure AI Fundamentals

EDUCATION

Bachelor of Technology **June 2021 – Dec 2025**

Computer Science and Engineering

Murshidabad College of Engineering and Technology, West Bengal

CGPA: 8.17