PRITOM BHOWMIK

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AI PROFESSIONAL

Microsoft Certified Azure AI Engineer Associate & Data Science Graduate Student specializing in designing and implementing sophisticated data-driven solutions. Proficient in advanced statistical modeling, machine learning, and data processing to extract actionable insights, creating significant value for organizations.

EDUCATION

Montclair State University (MSU), Montclair, NJ   Expected Graduation May 2025
Master of Science in Data Science   Current CGPA: 3.95
Relevant Coursework: Analysis of Algorithms, Machine Learning, Data Mining, Big Data, Statistics, etc.

Institute of Engineering & Management, Salt Lake, Kolkata, India   August 2016 - July 2020
Bachelor of Technology in Computer Science & Engineering

SKILLS

- **AI Skills:** Generative AI based application development, Prompt Engineering, Fine-tunning, Machine Learning
- **Programming:** Python, R, C++, Shell scripting
- **Databases:** PostgreSQL, MySQL, Cassandra, Redis, MongoDB
- **Technologies:** Docker, Kubernetes, Apache Spark, Apache Kafka,
- **Soft Skills:** Data Storytelling, Report Writing, Effective Communication, Team-work & Project Management
- **Analytical Skills:** Data Processing, Data Cleansing, Feature Engineering, Visualization
- **Cloud:** Azure, AWS

PROJECTS (Academic & Professional)

- **Generative AI powered Inventory Management System with Real-Time Recommendation** | Details
  - Developed a complete AI powered system for inventory managements. The system is capable of real-time analysis and demand forecasting. It also contains AI chatbot that updates with each change on the inventory and helps any stockholders by answering his/her questions.
- **RAG Based Chatbot for Supply Chain Management System** | View Details
  - Developed a Python script to automate sales data analysis, saving 10 hours per week (Situation: Manual data analysis was time-consuming. Action: Developed Python script. Result: Saved 10 hours per week).
- **Scalable, Kafka Based Real-Time Analytical Application)** | View Details
  - Developed a Python script to automate sales data analysis, saving 10 hours per week (Situation: Manual data analysis was time-consuming. Action: Developed Python script. Result: Saved 10 hours per week).
- **LLMs Powered Customer Chatbot Conversation Summarization** | View Details
  - Developed a Python script to automate sales data analysis, saving 10 hours per week (Situation: Manual data analysis was time-consuming. Action: Developed Python script. Result: Saved 10 hours per week).

WORK EXPERIENCE

Upwork & Deep Analytica (Freelance & Contract based)   2020-2023
Data Analyst
- Boosted client sales & reduced cost significantly through data-driven analysis and strategic recommendations.
- Developed real-time dashboards with critical KPIs, improving anomaly detection & monitor performances.

Upkey, Chicago, IL   Jan 2021 – May 2021
Project Management Internship (Remote) | Project Sponsored by IE Business School, Spain
- Developed an ML system to cluster and help connecting people with similar types of cancer

CERTIFICATION

- Microsoft Certified: Azure AI Engineer Associate
- Unilever Supply Chain Data Analyst Professional Certificate
- Generative AI with Large Language Models