Sayan Banerjee

Leeds, UK | +44 7407616126

sayan.tubai@gmail.com | www.sayan97.github.io/my-portfolio

PROFESSIONAL SUMMARY

Technology and Data Science enthusiast currently pursuing MSc in Data Science and Analytics at University of Leeds, UK. Ex-System Engineer with three years of experience in designing data driven web applications. Proficient in Python programming, SQL and NoSQL databases, Azure cloud services, data analytics and machine learning. Looking for data science, machine learning and software development roles.

PROFESSIONAL EXPERIENCE

Machine Learning Intern   Apr 2023 - Jun 2023

iNeuron.ai, Remote
- Developed a full stack store sales prediction web application using machine learning.
- Deployed the web application on cloud using CI/CD pipeline.

System Engineer   Oct 2020 - Aug 2023

Tata Consultancy Services, Kolkata
- Designed and developed Manufacturing Execution System (MES) web application and it's system functionalities for factory employee usage or ensured proper installation of custom codes and appropriate software to enable proper functioning of the MES web application.
- Built the Azure Kubernetes Environment, including creating and configuring the Kubernetes cluster, deploying necessary resources, and ensuring scalability and availability of the MES services.
- Analysed manufacturing data generated by the MES web application and created business intelligence reports to support different business needs.
- Established monitoring mechanisms to track the performance and health of the MES system and implemented proactive maintenance procedures to ensure system stability and addressed any issues that arise.
- Created and managed data pipelines to ensure smooth data exchange and communication between different MES services.
- Developed automation scripts to carry out different tasks from installation of code to modelling on the MES webpage.

EDUCATION

MSc - Data Science and Analytics   Sep 2023 - Sep 2024 (Expected)

University of Leeds, Leeds

BTech - Computer Science and Engineering   Aug 2016 - Jul 2020

Institute of Engineering and Management, Kolkata

TECHNICAL SKILLS

- Python
- R
- SQL
- MongoDB
- Azure Cloud Services
- Microsoft Excel
- Machine Learning
- Deep Learning

ACADEMIC PROJECTS

- **Store Sales Prediction** - Web application that uses machine learning regression model to predict the sales of a product in different stores based on different features present in BigMart dataset.
  GitHub: https://github.com/sayan97/Store-Sales-prediction

- **Forest Fire Prediction** - Web application that uses machine learning classification model to predict the possibility of a forest fire based on different features present in the Algerian Forest Fire dataset.
  GitHub: https://github.com/sayan97/Algerian-Forrest-Fire

- **Flipkart Review Scrapper** - Web application that can scrap reviews of any product from Flipkart (an e commerce website).
  GitHub: https://github.com/sayan97/Review-Scrapper-Flipkart

- **Leave Management System** - Web application that allows employees to apply for leaves and check their leave status and system admins to add, remove or update employee's information and approve or reject their leave requests using mySQL database.
  GitHub: https://github.com/sayan97/Leave-Management-System

- **PDF Merger using Python** - Desktop application that helps to merge multiple PDF files from a given directory into a single PDF file.
  GitHub: https://github.com/sayan97/iNeuron Assignments/tree/main/PDF%20Merger

LICENSES AND CERTIFICATIONS

- Introduction to Artificial Intelligence – Coursera
- Machine Learning Using Python – Globsyn Business School
- Data Structures and Algorithms using Python – NPTEL
- MTA: Database Fundamentals – Microsoft Technology Associate

EXTRA-CURRICULAR ACTIVITIES

- Worked in the sponsorship team of Institute of Engineering and Management, Kolkata annual tech fest 'Innovacion' from January 2017 to April 2018.
- Volunteered in 'Bhumi – Non-Government Organization' by teaching poor children the use of computers from September 2018 to December 2018.
- Played bass guitar for college band in several cultural fests across Kolkata during my undergrad years.

LANGUAGES KNOWN

- English – Professional Fluency
- Bengali – Mother Tongue
- Hindi – Native