Bishal Samanta

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EDUCATION

MAKAUT
B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING
August 2023 | Kolkata, India

UTTARPARA GOVT. HIGH SCHOOL
HIGHER SECONDARY(CLASS XII)
March 2018 | Kolkata,India

H.M. HIGH SCHOOL(CLASS X)
Feb 2016| Kolkata, India

LINKS

Github: https://github.com/bishal9095
LinkedIn:
https://www.linkedin.com/in/bishal-samanta-882ab3284/
Leetcode: https://leetcode.com/code_is_in_my_veins/

COURSEWORK

Data Structures and Algorithms
Computer Network
Object Oriented Programming
Computer Architecture
Web Technology
Artificial Intelligence

SKILLS

Programming
Python • MySQL
Tools
Microsoft 365 • Power BI • Jupyter Notebook
Platforms
Azure • Linux
Analytical Skills
Problem-Solving • Critical Thinking • Data Investigation • Risk Identification
Soft Skills
Communication • Collaboration • Decision-Making

LANGUAGES KNOWN

English,German,Bengali,Hindi

EXPERIENCE

JIO PLATFORMS LIMITED | Associate QA Engineer
Dec 2023 - Present | Mumbai, Maharashtra

- Developed and **optimized logistic regression models** for customer churn prediction, employing polynomial features and feature scaling techniques on a dataset containing customer device performance and experience data, achieving an **accuracy of 92%**.
- Conducted root cause analysis and ad-hoc investigations using **SQL and Excel**, leading to a **25%** reduction in device downtime through proactive issue resolution.
- Implemented **anomaly detection** techniques and **risk assessment** strategies, identifying potential failures early and improving overall device performance by **20%**.
- Developed **Excel dashboards** with pivot charts to monitor key performance metrics, streamlining data-driven decision-making and increasing issue resolution efficiency by **30%**.
- Developed and maintained automated frameworks using **Python**, reducing manual effort and **boosting productivity by 35%**.
- **Initiated data-driven initiatives** to improve the **efficiency of Jio's FTTX ecosystem by 50%**. Utilized data analytics and visualization techniques to provide actionable insights into device counts, client connectivity, and feature utilization (parental control, MAC stitching).

COGNIZANT TECHNOLOGY SOLUTIONS | PROGRAMMER ANALYST TRAINEE
May 2023-Nov 2023 | Kolkata, India

- Acquired in-depth **knowledge of ETL (Extraction, Transformation, and Loading)** processes in data warehousing, and successfully implemented a Hospital Management System using Talend and MySQL.

PROJECTS

BRAIN TUMOR SEGMENTATION USING DEEP LEARNING
https://github.com/bishal9095/BrainTumor_Detection

- Created a Brain Tumor Segmentation model with an **accuracy of 98.5%**, using the Brats Dataset, consisting of real MRI images of the brain.
- Performance improvement techniques such as **adding dropout layers and feature engineering** were used.
  Technologies used: Python, Numpy, Google Colab, Pandas, Keras, Tensorflow

LIMS AUTOMATION
https://github.com/bishal9095/LIMS_automation

- **Automated web scraping** of target files using Excel, Python and Selenium. Efficiently extracted data for further analysis and processing, streamlining manual tasks and improving data management.

CERTIFICATIONS

2024   Google Data Analytics,Google
2024   Data Literacy: Exploring and Describing Data, LinkedIn Learning
2024   Data Science Foundations: Fundamentals,LinkedIn Learning
2019   German A2 Certification, Deutsch Welle