Bishal Samanta

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EDUCATION

MAKAUT
B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING
August 2023 | Kolkata, India
CGPA:8.83

UTTARPARA GOVT. HIGH SCHOOL
HIGHER SECONDARY(CLASS XII)
March 2018 | Kolkata,India
Percentage:73

H.M. HIGH SCHOOL(CLASS X)
Feb 2016| Kolkata, India
Percentage: 85.57

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 •C/C++ •Scala
Frameworks
Numpy • Pandas •Matplotlib •Scikit-Learn •Apache Spark •Apache Hive •Node.js
Tools
Jupyter Notebook •Power BI •Excel •Google Colab •Hadoop •Kubernetes •Databricks
Platforms
AWS •Azure •Linux

LANGUAGES KNOWN

English,German,Bengali,Hindi

EXPERIENCE

JIO PLATFORMS LIMITED | DATA ANALYST
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%**.
- **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).
- Developed and maintained automated frameworks using Python, reducing manual effort and **boosting productivity by 35%**.

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.

PLASMA ANALYSIS CENTRE & IMAGING SOLUTION | JUNIOR DEVELOPER
Dec 2022 - May 2023 | Kolkata, India
- Worked with a **team of 4 people** to develop their in-house field tracking software for managing Sales and Blood Collector Team.
- **Developed the Database and necessary APIs** for the application, the Calendar class to keep track of the schedules of the field agents and the Front-end for an interactive usage.
  Technologies Used: React Native, MongoDB,Node.js,Express.js

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 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