

MAYUR MAHANTA

mahanta.m@northeastern.edu | 62 C McGreevey Way, Boston, MA 02120 | 857-437-9190 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Northeastern University, Boston MA, **GPA 4.0**

December 2023

Master of Science, Data Analytics Engineering

Relevant Courses: Foundation of Data Analytics, Data Management and Design, Computer Visualization, Data Mining, Machine Learning

Sikkim Manipal Institute of Technology, Sikkim, India.

July 2020

Bachelor of Technology, Computer Science and Engineering

Relevant Courses: Data Structures, Software Engineering, Design and Analysis of Algorithms, Operating Systems

TECHNICAL SKILLS

Programming Skills:	Python, R, Java, JavaScript, HTML, CSS, C, C++
Python Tools & Libraries:	Scikit-Learn, NumPy, Pandas, SNS, Seaborn, Matplotlib, TensorFlow
Data Analytics:	Tableau, Power BI, Data Wrapper
SQL & NoSQL Databases:	MySQL, Oracle, MongoDB, SQL Server, PostgreSQL, Hive, Spark, DBEaver
Data Management:	Data Modeling, AGILE, JIRA, JAMA
Development & Testing:	Cypress, Postman, Eclipse, Visual Studio Code, GitHub, GIT, Adobe Photoshop
Frameworks:	Angular, Spring, Vue

EXPERIENCE

Abiomed, Danvers, MA, United States

January 2023 – June 2023

Data Engineering Coop

- Streamlined attribute retrieval and resolved UI issues for SiteInformation and LocationInformation Schema using **PostgreSQL**, **DBEaver**, **VueJS** and **Postman** by optimizing queries and conducting **unit tests** and **Postman API testing** to ensure accurate display of information and enhancing the reliability and accuracy of the **ABI Virtual Assistant** application by **7%**
- Demonstrated effective document management and control by adding User Interface Requirement Specifications to the **Project Plan** in **JAMA** by defining component appearance, attributes, and their purpose, increasing clarity and ensuring efficient development of the **AxM** Project
- Collaborated with the development team to implement UI style changes and bug fixes in the **alarm config component**, resulting in the accurate rendering of alarm text by using **AngularJS** and contributed to comprehensive **end-to-end testing**, including verification of SRS items and writing **automated tests** by leveraging the **Cypress** testing tool to **perform UI testing**, evaluating elements such as side navigation menu, theme change functionality, and saving custom layouts

Ericsson Global Pvt. Ltd., Kolkata, India

April 2020 - October 2020

Data Analyst Intern

- Performed data mining and analysis utilizing Python libraries to generate hourly alerts and timed reports along with designing and maintaining production-quality dashboards and carried out data manipulation and organization of **100+** complex datasets
- Optimized **SQL queries**, data aggregation for analyzing data on established and prospective customers, interactive marketing channels and developed Tableau dashboards and increased sales revenue by **18%**
- Designed normalized tables, implemented indexes, and successfully optimized the SQL query processing in **MySQL database**

Ericsson Global Pvt. Ltd., Kolkata, India

January 2020 – April 2020

Full Stack Developer Engineer Intern

- Pioneered and handled an **Angular Dashboard** by employing **Angular**, **Rest API** via JavaScript for a Low-Code Program and delivered front-end service to beginner developers to choose a pre-defined coding template/environment
- Collaborated on the front-end of a Vila-Portal Project via **JavaScript**, **Bootstrap**, **HTML3** and **CSS5** and provided drag and drop access to company analysis comprising of yearly profits and loss resulting in a detailed insight analysis increase by **8%**
- Planned, coordinated, and developed a Resource Management Web Tool using **Java** with **Spring-Boot** framework on the backend and JavaScript with Angular framework on the front-end executing a filter-based method on specific employee-based domain and their details and boosted storing and maintaining feature efficiency by **~3-4%** from the prior company tool

PROJECTS

Crime Rate NYPD Predictions | *Northeastern University* | [GitHub](#)

May 2022 – June 2022

- Performed **Data Wrangling** techniques on the data set which contained 0.15 million rows and 19 features
- Created various visualizations to understand the **correlation** between the attributes and target variables
- Achieved a **10%** increase in efficiency by applying Principal Component Analysis which reduced noise and compressed dimensions
- Implemented **Random Forest Classifier** which provided the highest accuracy of **91%** approximately

Employee Rating Application Database Management System | *Northeastern University* | [GitHub](#)

January – April 2022

- Modeled and developed an employee performance Data Warehouse, by creating a multi-dimensional schema and ran various **SQL** and **NoSQL (MongoDB)** queries on it. Visualized and provided some important observations in **Python** by drawing significant insights on the Review Data