

# Mohib Ahmed

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## Education

### CUNY Hunter College

*Bachelor of Arts in Computer Science, Minor in Biological Sciences*

**GPA:** 3.4

**New York, NY**

**Expected –May 2025**

## Professional Experience

### Sippa Solutions Inc

*Data Engineer Intern*

**New York, NY**

**June 2024– Aug 2024**

- Engineered a scalable and cost-effective Android app prototype to convert CCD to FHIR via Aidbox API using Java and Volley
- Developed and integrated a scalable function to read step count data from Health Connect, facilitating biometric data handling
- Implemented a cost-effective solution to retrieve step count data using SensorManager in an Android App
- Demonstrated and validated a third-party app to capture and share step count data with Health Connect, ensuring interoperability

### Google Software Engineering Program via Project Basta

*Software Engineer Mentee*

**New York, NY**

**July 2023 – Oct 2023**

- Collaborated with peers to tackle challenging technical problem and develop innovative solutions
- Strengthened coding abilities, algorithmic thinking, and software design skills through hands-on activities and coding exercises
- Gained insight into industry best practices and implemented them into personal project developments

### City MD

*Medical Scribe*

**New York, NY**

**May 2021 - Aug 2022**

- Assisted doctors in sutures, abscess removals, EKGs, and physical exams with precision
- Triaged patients by capturing vitals, conducting tests, and evaluating patients' symptoms to provide doctors with a comprehensive overview before their rounds
- Developed detailed charts for each patient, documenting their medical history and background for the visit

## Projects

### Breast Cancer Classification Analysis with Machine Learning | Python, Scikit-learn

**May 2024 - June 2024**

- Applied machine learning techniques to classify breast tumors, leveraging Decision Tree, SVM with RBF kernel, and SVM with Polynomial kernel to achieve high accuracy in classification.
- Utilized Random Forest Method to determine feature importance, systematically removing less significant features to optimize model performance
- Analyzed the impact of feature removal on model training times and performance, providing insights into streamlining analysis for handling large datasets in breast cancer research.

### Big Data Analytics Projects | Neo4j and MongoDB Analysis

**Jan 2024 – April 2024**

- Leveraged PySpark and MapReduce techniques to analyze the HetioNet database, revealing insights into drug efficacy and therapeutic uses.
- Utilized Neo4j to model and query complex biological relationships, facilitating the exploration of compound interactions and disease mechanisms.
- Employed MongoDB for city inspections analysis, enabling efficient querying and aggregation of large datasets to uncover patterns and ensure business compliance

### Trading Software Bot | Python

**Jan 2023-Aug 2023**

- Designed and constructed a bot, utilizing acquired trading strategies to maximize profitability in dynamic market conditions
- Integrated Think or Swim API seamlessly into the trading software granting real time access to market and enabling automatic trade execution
- Leveraged the Think or Swim API to retrieve historical price data, conduct technical analysis and identify optimal exit and entry points on trades

## Skills

**Programming Skills:** C++, Java, JavaScript, React , HTML/CSS, Python, PySpark, Scikit-Learn, MySQL, NoSQL, Hadoop, AWS, MongoDB, Neo4J