

# MOHAMMAD MAHMUD

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## EDUCATION

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### CUNY, Hunter College – New York, NY

Bachelor of Arts (BA) in Computer Science – GPA: 3.0

**Minor:** Economics

- **Relevant CS Courses:** *Software Analysis and Design, Supervised Programming Lab, Computer Architecture, Computer Theory, Operating Systems, Advanced Applications, Database Management, Data Mining, Web Development*

## EXPERIENCE

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### Crypto Gaming Market Analytics Intern

Jan 2023 – Feb 2024

Mobalytics

New York, NY

- Organized, analyzed, and visualized complex data sets using a range of tools, including Excel, Tableau, and SQL, enabling effective communication of insights and findings to a diverse range of stakeholders.
- Gathered and integrated data from multiple CSV files into Azure Databricks.
- Transformed data into the required format using SQL and Python.
- Created Hive tables and loaded data into both managed and unmanaged tables in Hive.
- **Environment:** Microsoft Azure, Azure Databricks, Python, AWS, SQL, Hive

### Software Engineering Intern

June 2020 – Dec 2020

City Science

Brooklyn, NY

- Designed and implemented a Tic Tac Toe game application using Python, demonstrating proficiency in object-oriented programming concepts, algorithmic problem-solving, and user interface development to create an interactive and functional game experience.
- Successfully engaged students in interactive coding projects, resulting in increased understanding of coding concepts and improved technical skills and enhanced a pre-existing game project in C++ by implementing algorithms to calculate and optimize the shortest path to reach the goal.
- Received positive feedback from students, parents, and school staff for creating a stimulating and inclusive learning environment, fostering a love for coding and technology among young learners.

## PROJECTS

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### NYC Restaurants Data - Food Ordering and Delivery

Link: [NYC-Restaurant Data Analysis](#)

- Create database using PostgreSQL to store and manipulate data for data analysis.
- Handled missing values, removed duplicates, and ensured appropriate data types.
- Visualized data using histograms, box plots, and bar charts to understand distributions and relationships.
- Discovered patterns in food preparation and delivery times across different cuisine types and days of the week.

### Comfy Bake

Link: [Comfy Bake Project](#)

- Designed and developed a user-friendly website for Comfy Bake, connecting home bakers with hungry customers
- Implemented the front-end of the website using React and the backend using Firebase, ensuring seamless functionality and data management
- Created a smoother user interface (UI) to improve the overall app experience, enhancing user engagement and satisfaction

## TECHNICAL SKILLS

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**Programming Language:** C++, Python, Swift, React.js, HTML, JavaScript, CSS, SQL, Hadoop, HDFS, Sqoop, Spark, Scala, HIVE, AWS

**Version Control:** Git/GitHub

**IDE:** Eclipse, Visual Studios, Visual Studio Code, IntelliJ