# MOHAMMED SHAHRIAR AHMED

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## EDUCATION

**Bachelor of Science - Physics**                                                                              May 2022
CUNY College of Staten Island | New York, NY

**Associate of Applied Science – Electronics Engineering Technology**                      December 2015
TCI College of New York, New York, NY

**Bootcamps:**   Full Stack Web + Mobile Development (Nucamp, New York, Remote).
The Complete Web Development Bootcamp from The App Brewery (Udemy, Remote).
Google Cybersecurity Professional Certificate (Coursera, Remote).

## SKILLS

| **Programming language Skills** | **Web Development** | **Databases** |
|---|---|---|
| C++, C#, Python, SQL, JavaScript | Front-End (HTML, CSS, JavaScript, React, React-Native) | MySQL, PostgreSQL, MongoDB |
| **Technologies/Frameworks** | Back End (Node.js, Express.js, Django, RESTful API) | **Machine Learning and AI** |
| React, Node.js, Express.js, Django, ASP.NET, Google Cloud Platform | | Classification, Regression, DL, NLP, Feature Selection using TensorFlow and PyTorch |

**Soft Skills**: Adaptability, Agile Methodologies, Analytical Thinking, Collaboration, Communication, Continued Learning, Forecasting and Demand Planning, Leadership, Problem-Solving, Project Management, Presentation, Teamwork, Time Management.

## EXPERIENCE

**Full Stack Software Developer Fellow**                                                February 2023 - Current
NuCamp | Remote, NY

• Developed Full stack web and mobile applications using HTML, CSS and JavaScript and used version control system Git to collaborate with team members and manage codebase efficiently.

• Implemented responsive and user-friendly front-end designs using modern frameworks like React and React Native, designed, and optimized databases using SQL and NoSQL technologies like MySQL, PostgreSQL MongoDB.

• Implemented server-side logic and RESTful APIs to facilitate seamless communication between front and back-end components, used Google cloud labs to test and deploy applications using Firebase.

• Demonstrated proficiency in software development best practices, including wireframing, code documentation, modularization, and reusability.

**High School Math and Science Teacher**                                                August 2022 - Current
Score At the Top Learning Center | Wellington, FL

• Implemented accelerated classroom instructions and prepared comprehensive lecture notes and demonstration videos for Physics, Algebra I & II, Geometry, Statistics, and Calculus AB & BC, including honors and AP classes.

• Created apps for students to take MCQ quizzes using React and React Native frameworks to increase classroom engagement.

• Adapted remedial programs for low-achieving students, using Python visualization libraries for Physics and Excel, R, and Seaborn for Statistics, resulting in a remarkable 50% improvement in fundamentals.

• Facilitated interactive workshops, hands-on activities, and project-based learning, leading to a 20% increase in student engagement and significant overall grade improvement.

**Manager**                                                                              June 2020 - December 2021
La Quinta Inn & Suites (Maplewood Lodging LLC) | Columbus, OH

• Managed and guided projects to create new websites for 5 hotels to boost the brand and promote direct bookings.

• Collaborated with cross-functional teams to develop an innovative loyalty program for corporate clients, increasing customer retention by 30% and generating $5M+ in new business opportunities.

• Provided necessary trainings and cost-effective resources to General Managers to improve each property's ADR and guest satisfaction.

• Prepared presentations on market trends, profitability, forecasting, and risk analysis using Python, SQL, and R, presented with Power BI and Tableau to improve business operations and reduce financial losses.

## PROJECTS

**NUCAMPSITE**

• Designed a campsite reservation site using React for Web viewers and React Native for mobile applications (iOS and Android)
• Worked with team members and deployed the site using Google Firebase

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• Designed a web app to allow Hotel managers assign housekeeping and maintenance tasks and track progress.
• Currently working on creating a mobile app for the employees to check and update their tasks using React Native.