

# Muhammad Mamoon Uddin

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## EDUCATION

### The University of Houston

Bachelor of Science, Computer Science

GPA: 3.5

Dean Scholarly List for 3 semesters

Houston, TX

Dec 2022

## CERTIFICATE

Google Data Analytics, Coursera, [Certificate link](#)

February 8th, 2023

MLExpert Certificate, AlgoExpert, [Certificate link](#)

April 26th, 2023

ISC2 Certified in CyberSecurity

Currently

## PROJECTS

### ValorantWebScrapers | *Excel, Python, Tableau, Selenium, Pandas, Numpy*

- Empowered decision-making with a 20% data retrieval increase through optimized web scraping.
- Analyzed over 250 players' performance which aided in refining future team strategies.
- Elevated player win rate by 2% by showcasing visualization leading to a 25% increase in player ranking

### PyInterp | *Python, C++, Linux* | [Github Link](#)

- Accelerated development by one-third by incorporating OOP concepts reducing the code length to under 2000 lines.
- Secured a success rate of 95% by engineering language constructs enabling seamless execution.
- Enhanced compile time by 50% by introducing error handling resulting in an efficient Python interpreter.

### Predicting Patient Survival | *Python, Tensorflow, Skitlearn, Pandas, Numpy, Matplotlib, Seaborn*

- Achieved an accuracy of over 90% by utilizing machine-learning models leading to informed decision-making.
- Maximized model performance by boosting accuracy by 15 % and reducing training time by 25% by applying hyperparameter tuning.
- Showcased the project's potential by delivering a captivating presentation resulting in a **top-10** placement.

### Medical-DB | *MySQL, HTML, CSS, JavaScript, PHP* | [Github Link](#)

- Attained a 100% data accuracy and 100 millisecond response time by streamlining the database schema resulting in faster service.
- Developed interactive visualization showcasing patient demographics, identifying our target group.
- Presented the website by leading a team of five in a six-month time frame and obtaining a **top 3** placement.

## TECHNICAL SKILLS

### Languages

Python, JavaScript, R, C, C++, HTML/CSS, SQL, React, Node.js

### Developer Tools

Jupyter Notebook, Tableau, Excel, R Studio

### Libraries

Numpy, Matplotlib, Pandas, Seaborn, PyTorch, SkitLearn, Tensorflow, Keras, Selenium