

# MD Mahmudul Hasan

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<https://github.com/mahmud60>

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## SUMMARY

Experienced mid junior level software developer with experience in developing scalable and customer facing applications. Looking to expand and grow as a problem solver for large scale systems. Looking to expand into the field of data engineering with focus in extraction and transformation.

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## EXPERIENCE

### Software Developer - Part-time

Gamification Research Lab, FAU Erlangen,Nuremberg

October 2023 - May 2024, Erlangen

- Developed mobile application using unity for a adidas running research project for a user base of 50 million users
- Integrated the backend with Unity, enabling seamless flow of gigabytes of data from the database to the application in real time.
- Designed and implemented dynamic UI elements in Unity to display the fetched data, ensuring real-time updates and user interaction capabilities.
- Developed C# scripts to handle data processing, including data validation, transformation, and preparation for display

### Unity Game Developer

Free Pixel Games

March 2021 - March 2023, Dhaka

- Developed prototypes and game mechanics for existing games.
- Created and arranged game levels, including terrain, objects, lighting, and cameras, to build appealing environments.
- Designing and implementing user interfaces such as menus, health bars, and inventories, focusing on both aesthetic appeal and functionality to enhance player experience.
- Optimized game performance to ensure smooth gameplay on various platforms, alongside rigorous testing to identify and fix bugs or issues.

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## EDUCATION

### Master of Science in Data Science

Friedrich-Alexander-Universität • Erlangen-Nürnberg • 2023-

### Bachelor of Science in Computer Science and Engineering

University of Liberal Arts Banglades • Dhaka, Bangladesh • 2021 • 3.29

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## SKILLS

Database Tools: MySQL, PostgreSQL, Bigquery, Redshift

Data Skills: Data Modeling, ETL/ELT Pipeline , Data Visualisation, Seaborn, Matplotlib, Plotly

Tools: Git, Slack, BeautifulSoup, Apache Airflow

Languages & Frameworks: Python, C#, PHP, SQL, Pandas, Unity 3D

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## CERTIFICATIONS

### Databases and SQL for Data Science

Coursera • 2022

### Data Analysis with Python

Coursera • 2022

### Data Visualization with Python

Coursera • 2022

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