

# Walid Ibne Hasan

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## EDUCATION

### Brac University

April 2020 – December 2023

BSc in Computer Science, CGPA: 3.5

**Relevant Coursework:** Programming with Python, Data Structures and Algorithms, Operating Systems, Machine Learning, Artificial Intelligence, Software Engineering, Object-Oriented Programming

## SKILLS

Python, Power BI, Pandas, NumPy, Matplotlib, Seaborn, Scipy, Scikit-learn, SQL, Data Cleaning, Data Manipulation, Data Visualization, Hypothesis Testing, Exploratory Data Analysis (EDA), Sampling, Statistics, Jupyter Notebook, Git, Postman

**OTHERS:** Django, Django Rest Framework, Fast API, JWT, Redis, Celery, RabbitMQ, Docker, MySQL, Postgres, ReactJS, NextJS, Redux Toolkit, TailwindCSS, Bootstrap, GSAP, Framer Motion, ThreeJS

## WORK EXPERIENCE

### Zero Byte: Software Engineer

02/2024-Ongoing

- Integrated Tokenized Bkash API (Without using SSLCommerz), Steadfast API, MIM SMS API
  - Worked on a complex POS-E-Commerce application where Subscription, Payment, Multi Layered Referral System are noteworthy
  - Worked on a highly nested (Database) educational management platform where Quiz, attendance, institution, payment modules are noteworthy
  - Practiced MVC in DRF, Familiar with Microservices
  - Implemented containerization using Dockerfile and docker-compose.
  - Utilized SQL (PostgreSQL, MySQL), NoSQL (MongoDB) and Cache (Redis) databases.
  - Implemented asynchronous tasks with Celery (Beat, Worker) and RabbitMQ as broker.
- **Mentionable Projects:** [Bishwasto](#)- The full backend was done by me

### Achintya Solutions: NextJS Intern

04/2024 – 07/2022

- Managed a complex bug fix regarding the front-end layout in their Named site that prevented campaigns associated with their service being shown to others.
- Integrated API with the front-end using RTK Query
- Optimized their performance through better fetching technique

## PERSONAL PROJECT

### Project: E-commerce business sales analysis

Link: <https://github.com/Walid-IbneHasan/Data-Analysis-E-Commerce-Sales-Dataset>

Analyzed a business dataset and given insight on so many business aspects based on the dataset and the advanced queries using Python and SQL.

### Project: Hypothesis Testing with Men's and Women's Soccer Matches

Link: <https://www.datacamp.com/datalab/w/09f5dab5-595d-4607-9e09-7f4c23475aac/edit>

Performed hypothesis testing on goal differences between men's and women's soccer matches to identify statistical significance and distribution patterns.