

# Asim Baidya

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Bashundhara R/A, Dhaka, Bangladesh

## EDUCATION

B. Sc in Computer Science and Engineering

(Jul, 2020 - Oct, 2024)

Brac University

CGPA: 3.44/4

## SKILLS

- ❖ **Programming Language:** Python, Javascript/Typescript, Golang
- ❖ **Frameworks:** FastAPI, Flask, ReactJS, NextJS, HTMX, TailwindCSS, ChakraUI
- ❖ **DataBase and Misc:** PostgreSQL, MySQL, Git, Linux

## TECHNICAL PROJECTS

### GlamSage

[github.com/asimbaidya/glamsage](https://github.com/asimbaidya/glamsage)

Platform for booking salon services and appointments

- Engineered the entire backend with Flask and PostgreSQL, utilizing SQLAlchemy ORM to model complex user, service, and appointment relationships, improving data integrity.
- Implemented a dynamic, single-page application experience using HTMX and Jinja2, reducing page reloads and enhancing user engagement.
- Designed a responsive and accessible frontend with TailwindCSS, ensuring a consistent experience across mobile and desktop devices.

### Quizzer

[github.com/asimbaidya/quizzer](https://github.com/asimbaidya/quizzer)

Digital assessment platform for quizzes and tests with various question formats

- Architected a flexible quiz question structure using PostgreSQL JSONB fields, allowing for dynamic question types (MCQ, text, code) without schema changes.
- Developed a full-stack React application with a ChakraUI frontend, connected to a Python backend using Axios and TanStack Query for efficient state and data fetching.
- Built a secure role-based authentication and authorization system from the ground up, controlling access to quizzes, results, and admin functionalities.

### Pharma Plus

[github.com/asimbaidya/pharma-plus](https://github.com/asimbaidya/pharma-plus)

Web app for online medicine purchases

- Developed a monolithic MVC application using Flask and Jinja2 templates to create a seamless user experience for browsing and purchasing products.
- Utilized HTMX for interactive features like dynamic cart updates and live search, decreasing server load by minimizing full-page renders