

Sadia Saman

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EDUCATION

Bangladesh University of Engineering and Technology, Dhaka

B.Sc. in Computer Science and Engineering (2018 - 2023) - CGPA : 3.18

WORK EXPERIENCE

Gigalogy - Software Engineer (September,2023 - Present)

• Gigalogy Personalizer Platform

- Gigalogy's Core product : Recommendation System of Products for Individuals - built mostly for E-Commerce application
- Contributed in bugfixing and improvement in existing Features along with new feature of managing user created project's life cycle, user interaction with platform through their project, limiting API calls depending on project type, personalized Category Recommendation, Trending keywords extraction from user data (search text and query from chatbot) to figure out business demands.
- Technologies Used: **FastAPI, Elasticsearch (Recommendation System), Flask(Platform), VueJs, Docker**

• Doozie Shop

- Demo website for Gigalogy Personalizer Platform
- Contributing in both frontend and backend, developing the UI and integrating services of Gigalogy Personalizer Platform for showcasing the entire system of personalization, developed scheduler system to build product catalog from remote APIs
- Technologies Used: **FastAPI, NextJs, React, Docker**

TECHNICAL SKILLS

Languages -

- C, C++, Java, JavaScript, TypeScript, Python
- HTML, CSS, Bootstrap, TailwindCSS

Version Control -

- git & github

Familiarity -

- Django, Flask, FastAPI, SpringBoot
- Elasticsearch, SQL (Oracle, PostgreSQL)
- ReactJs, NodeJs, VueJs
- Docker

ACADEMIC PROJECTS

Bikroy.com

- "Bikroy.com" is a Django-based web application created as a clone of the popular website Bikroy.com. It enables users to buy and sell products and incorporates features like user registration, product listings, search functionality, and a rating system.
- **Technologies used: Django, SQL, HTML, Bootstrap, CSS, Oracle Database**

Spacey - Rental Platform

- Spacey is an online booking system built with Python, Django, HTML, and CSS. It allows users to host or rent homes, business places, storage units, and garages. Python and Django handle the backend, while HTML and CSS create the frontend interface for a seamless booking experience.
- **Technologies used: Django with SQLite, HTML, Bootstrap, CSS**

AucDais - Online Auction Platform

- AucDias is an online auctioning platform built with Java Spring Boot and ReactJS. It allows sellers to showcase products and enables buyers to bid and make purchases. Java Spring Boot handles the backend, while ReactJS enhances the front end for a seamless and interactive user experience.
- **Technologies used: React, PostgreSQL, and Java Spring Boot.**

RESEARCH

Covid-19 detection from X-Ray image using Machine Learning

- Under the supervision of Dr. Md. Monirul Islam from BUET, I conducted my undergraduate thesis on deep-learning techniques for detecting Covid-19 using chest X-ray images. I explored image enhancement methods like CLAHE, HEF, and UM applied to ResNet and VGG models, resulting in significant and promising outcomes. This research holds the potential for advancing medical image analysis in healthcare.