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As a personality, I am exceedingly hardworking and committed. Instilling four years of experience, I see myself working efficiently while maintaining a higher standard under immense pressure. With the experience of leading a team of developers in a start-up, I can multi-task and work with a diverse group. As a man of sheer will, I aim to reach the highest peak in this field by continuously learning and adapting to the latest trends in related fields.

Education:

Brac University Spring 2018– Fall 2021
Bachelor of Science in Computer Science and Engineering. CGPA: 3.87.

Publications

Conference Paper-
Bhuiya M. S. R., Islam N., Drishty A. S., Akash U. D., Saha S. S., Hossain S., Chakrabarty A,
“Surveillance in Maritime Scenario Using Deep Learning and Swarm Intelligence,” 25th
International Conference on Computer and Information Technology (ICCIT). (held on 17-19
December 2022)

Final Year Thesis

Research Domain: Machine Learning, Swarm Intelligence, and Image processing
Research Topic: Surveillance in Maritime Scenario Using Deep-Learning and Swarm
Intelligence.

Research Work

Working on classifying Bone Marrow Cells using Deep-Learning and Vision Transformers
under the supervision of Dr. Amitabha Chakrabarty.

Extending Final Year Thesis by tracking multiple objects in Maritime Scenario using DeTR.

Awards and Achievements

- Merit-Based Scholarship from 2020 to 2022 at Brac University
- Merit-Based Scholarship from Secondary and Higher Secondary Education Board Cumilla based on the result of Secondary School Certificate.

Experience

Contractual Lecturer

(CSE471, CS321, CSE110, CSE111, CSE220)

October 2022– Current

Department of Computer Science and Engineering,
Brac University.

- Conducted lab classes for several sections of CSE110, CSE111, CSE220, CSE321, and 471.
- Checked Assignments, Created Questions for Mid Term Exams and Quizzes, and Checked Scripts of multiple sections under a designated duration.
- Provided consultation and ensured students' participation in coursework through effective communication.

Student Tutor (CSE360)

June 2021– January 2022

Department of Computer Science and Engineering,
Brac University.

- Provided consultation to the students in the relevant subjects and helped them with proper explanations.
- Checked Assignments of multiple sections under a limited timeframe.

Chief Technology Officer

Catch Bangladesh
(BitFlex)

October 2020-Current

AstharProtik (A multi-vendor E-commerce) – Project Lead

- Coded the front end of the system, enabling the sellers to manage orders and inventory and admins to manage database and permissions with Vue (JS), Tailwind CSS, and Scss.
- Coded the admin dashboard, which provides access to update every nook and crook of the eCommerce site.
- Conducted meetings with clients for requirements analysis.
- Created tasks and managed the entire development process till completion.
- Implemented encryption-based data routing through API to secure data from data miners.

NextCart (A one-click deployment business manager) – Product Manager

- Coded the backend with python to manage the order, customer, and product data.
- Envisioned the journey of the SaaS product.
- Analyzed marketing strategies and defined phases.
- Divided tasks and documented the entire development process till completion.
- Designed the auto-deployment architecture using Docker Containerization.

SkillMaster.Academy (An E-Learning Platform) – Project Lead

- Coded the backend with python to manage the order data, Student data, and Course data
- Analyzed requirements from multiple user groups' perspectives.
- Envisioned the journey of the SaaS product.
- Guided Developers and DevOps to maintain continuous progress throughout the development process.

Smicce (An Office Management Tool) – Product Manager

- Focused on the prompt response from the server side with the use of Memcache and Redis.
- Deployed distributed systems successfully and initiated the subscription of SaaS.
- Ensured proper documentation of the requirement analysis phase.
- Implemented a complete customer journey with multiple activation points.
- Confirmed flexibility of use at the front end.

BiyerJuti (An AI-Enabled Matrimony Site) – Product Manager

- Analyzed and documented requirements from the client's end and suggested AI integration points.
- Worked in Research and Development Sector to create a proper ai model which can suggest potential matches based on user profiles.
- Ensured continuous growth throughout the development process and reached completion within the deadline.

Technology Consultant MasterKey Technologies

November 2022-Current

Ayykori(Country's First Public Commerce Platform)

- Designed the total System architecture.
- Ensured hassle-free API integrations at the client end.
- Within 1 month, ensured to deploy and run of the platform.
- Envisioned the team structure and assigned roles accordingly.
- Documented scopes for future development.

Co-Curricular Activities

Vice-President (Founder)
Finance And Accounting Club of Brac University
(FINACT)

September 2021 – January 2022

Assistant Director
Brac University Business Club (BizBee)

June 2020- September 2020

Project Works

Chondo (2022)

A web app that tracks users' period data includes various data like mood, symptoms, and notes. I created the backend of this app with Django Rest Framework and used MySQL to store data. Used JWT for authentication and created proper documentation for future development.

(<https://chondo.app>)

BitMail (2020)

An emailing app with features allowing users to compose, organize mail in different categories, sort, search, save a draft, and delete the mail. Vue-Js, BootStrap, NodeJs, SQL, Firebase.

(<https://github.com/rbsamiur/bitmail>)

Emergency Response App (2020)

A web app that finds the device's geolocation and connects users in need with other users(volunteers) within a 1km radius according to their needs. Vue-Js, NodeJs, Tailwind-CSS, Firebase, FireStore.(<https://github.com/rbsamiur/Sheild>)

Technical Skills

Languages: C++, Java, C#, SQL, JavaScript, Vue-Js, Node-Js, Django, PHP, Python.

Software: Visual Studio, Microsoft SQL Server, IntelliJ Idea, PyCharm, DockerJs