

Mukund Prasad Singh

01322821585 | mukund.prasad.singh@g.bracu.ac.bd | github.com/Mukund45-12 | linkedin.com/in/mukund-singh-80292a221/

Personal Profile

I have completed my undergraduate degree in Computer Science and Engineering from BRAC University, with a focus on software engineering and digital computation. I am primarily seeking opportunities in machine learning, data engineering, web development, and broader STEM fields.

Education

BRAC University

Dhaka, Bangladesh

BSc in Computer Science and Engineering

Sept 2020 - Oct 2024

- Courses:** Object-Oriented Programming, Data Structures, Algorithms, Operating Systems, Compiler Design, Data Communication, Computer Networking, Database Management Systems, Statistical Theory and Methods, Natural Language Processing, Microprocessor, Computer Architecture, Digital Electronics and Pulse Techniques, VLSI Design, Automata and Computability, Numerical Methods, Artificial Intelligence, Machine Learning, NLP, Robotics, Computer Graphics

Dhanusha Science Campus

Janakpur, Nepal

High School

Apr 2017 - Apr 2019

- Graduated with a strong CGPA.
- Specialized in Physics, Chemistry, and Mathematics with Biology.

Work Experience

GAO Tek Inc.

Dhaka, Bangladesh

Web Developer

Apr 2024 - Aug 2024

- Gained hands-on experience in designing and developing web pages, enhancing user experience through front-end optimization, and improving search browsing using Search Engine Optimization (SEO).
- Technical Skills:** WordPress, MySQL, Microsoft Teams, HTML, CSS, PHP.
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

GAO Tek Inc.

Dhaka, Bangladesh

Digital Marketing Intern

Mar 2024 - Jul 2024

- Developed and executed digital marketing strategies to enhance online presence and brand visibility. Conducted SEO and SEM activities, improving website traffic and search engine rankings. Managed and optimized social media campaigns across various platforms, increasing audience engagement.
- Technical Skills:** Digital Platforms, Search Engine Optimization (SEO), Microsoft Teams.
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Projects

Stock Market Analysis

Dhaka, Bangladesh

Brac Univeristy

June 2023 - Aug 2023

- Analysing data from different company from Kaggle and predict whether it will be beneficial to purchase a stock of a company on a particular day.
- A stock purchase is only benificail when the closing price of the day is higher than the opening price of a day.
- Technical Skills:** python with pandas, numpy, matplotlib, seaborn
- Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Skin care Solution

Dhaka, Bangladesh

Brac University

Nov 2023 - Dec 2023

- A skincare solution platform where users can input their personal skin issues and receive product recommendations based on that problem.
- Finding the different type of skin tone such as acne, scar, oily and so on also find the probable products in their local beauty shop. We also arrange an appointment between the dermatologist and the end-user for their specific skin problem.
- Technical Skills:** CSS,HTML, Javascript, mySQL database.
- Soft Skills:** Presentation skills, Teamwork, communication, logical thinking

Rickshaw fare Management system

Dhaka, Bangladesh

Brac University

Oct 2023 - Dec 2023

- We are focusing on building a cost-effective fare measurement system that can be used in public transport such as rickshaws by using different sensors.
- We can also examine the statistics related to this enormous section of the labor force. Despite the effort put into creating a fantastic project, a few provided solutions failed to account for critical external aspects such as route steepness and passenger number. Our project will greatly benefit society in this way.
- **Technical Skills:** Arduino IDE, IR Obstacle Sensor,6 DOF Accelerometer Gyroscope, Humidity and Temperature Sensor
- **Soft Skills:** Report writing, Logical Thinking, Teamwork.

Advanced Machine Learning Methods for Chronic Kidney Disease Identification

Dhaka, Bangladesh

Brac University

April 2024 - May 2024

- Chronic kidney disease is a type of disease which can't filter the blood as it does usual and can lead to damage of kidneys if proper treatment is notapplied on time.
- We built a model which can easily identify the presence of kidney disease by using the binary classification. It assists individuals in understanding their kidney health before the onset of any disease.
- **Technical Skills:** Random Forest, Logistic regression, K-nearest neighbours, support vector machine and Kernel Naive Bayes
- **Soft Skills:** Report writing, Logical Thinking, Teamwork.

Explanatory Detection of Online Sexism

Dhaka, Bangladesh

Brac Univeristy

Apr 2024 - May 2024

- We created a model that identified sexist texts, which led to several positive outcomes for society.
- We performed a text classification by using Bi-LSTM deep learning model.
- **Technical Skills:** python with pandas, numpy, matplotlib, Data-Prepossessing, Bi-LSTM
- **Soft Skills:** Time Management, Teamwork, Logical thinking, Report writing.

Skills

- Programming** Python (Pandas, NumPy, Scikit-learn. etc.), Java, PHP, C/C++, HTML/CSS, JavaScript, SQL.
- Miscellaneous** Linux, Shell (Bash/Terminal), L^AT_EX(Overleaf), MySQL, Microsoft Office, Cisco Networking, Git.
- Soft Skills** Time Management, Teamwork, Problem-solving, Engaging Presentation.

Achievements

- 2024 **Graduated**, Aspire Leaders Program Bangladesh
- 2023 **Beginner**, Introduction to information security Online, Bangladesh
- 2023 **Intermediate**, Cisco Networking and IoT Bangladesh

Publications

I HAVE DONE THESIS IN SENTIMENT ANALYSIS, HATE-OFFESNE DEETCTION, AND POLITICAL INSTANCE IN NEPALI TIKTOK COMMENTS AND IT WILL BE PUBLISH IN NEAR FUTURE.

Interests

- Cooking** I love cooking. I am a beginner of cooking in most Indian-style cooking, enjoy cooking Nepali cuisine as well.
- Linux** Since 2022, I have been in love with Linux. I recently switched from windows to Linux. Earlier I used to run Linux through Virtual Machine(VMWare).
- Technical Writing** I am a beginner of using Blender to draw some 3D objects. I also use Arduino-IDE for prototyping and project development.
- Art** I have always enjoyed drawing since I was a child. Recently, I have shifted to digital art mostly on Canva, Photoshop Deviantart.
- Reading Books** I am avid reader with particular interest in Sci-Fi, Mystery/Thriller. While in the Non-Fiction realm, I enjoy biography and psychology.
- Swimming** I started swimming when I was 12. Going through submerged things while holding my breath was the most exciting part.

Languages

- English** Professional proficiency
- Nepali** Native proficiency
- Hindi** Basic proficiency
- French** Basic proficiency
- Bengali** Conversational level

References available upon request.