Sajeeb Das

B.Tech. | NIT Rourkela

Computer Science & Engg.
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Education

2020-Present
B.TECH. CSE
NIT Rourkela
CGPA : 8.1/10 Gradecard

May 2019
INTERMEDIATE
Govt. Hazi Mohammad Mohsin College
GPA: 5.00/5.00

April 2017
MATRICULATION
Chittagong Govt. High School
GPA: 5.00/5.00

Links

Github: **Sajeeb Das**
LinkedIn: **Sajeeb Das**

Skills

PROGRAMMING LANGUAGES
C, C++, Python

FRAMEWORKS AND LIBRARIES
pandas, numpy, spacy, matplotlib, scikit-learn

OPERATING SYSTEMS
Windows, Linux (Ubuntu)

SOFTWARE DEVELOPMENT
Version Control (Git), Agile Methodologies

OTHER
Git, Reactjs, Nodejs, MongoDB, Express

Relevant Courses

Data Structures and Algorithm
Database Engineering
Computer Organization and Architecture
Operating System
Computer Networks
Real Time System Design
Distributed System

Projects

2020-2021	**Written Custom CNN Filters For Bitmap Images Using C** -

Developed custom image processing filters (Blur, Grayscale, Edge Detection) for BITMAP images using C, leveraging Microsoft Bitmap Guide. Completed as a project for Harvard's CS50 course, showcasing proficiency in C programming and image manipulation techniques.

2021-2021	**Project Ebony** -

Designed and developed a comprehensive website to aggregate resources for learning web development, as part of the Webwiz - Web Dev Club at NIT Rourkela. Demonstrated proficiency in web design, content management, and resource organization.

Work Experience

2023 - 2023	**Software Intern at Qualcomm** -

Collaborated with the Qualcomm QDSP Team to implement and integrate power measurement modules with QNN and SNPE SDK, enabling testing team to monitor power consumption of their neural models in real time. Developed over 20 comprehensive test cases and curated 10 playlists for efficient testing, improving testing efficiency by 30%.

2023 - 2024	**Research Assistant** MNMT

Worked as an RA under Prof. Tapas Kumar Mishra for integrating linguistic features in Transformer model with a goal to improve machine translation quality for Low Resourced Indic Languages. We've employed Opennmt-Py to train our models on English - Indic Samanantar Dataset. Github

Achievements

2021 - 2021	**IIT Bombay Techfest Hackathon** Winner

Developed a Concept app to optimize trip for EV vehicle and provide opportunity to share privately owned chargers.

2021 - 2021	**Firefly Startup Incubation, NIT Warangal** Runnerup

Build a very basic app demo of our idea that got us the runner-up position at the incubation hackathon.

Extra Curricular Activities

2021-2022	**Taught kids Programming**

To make students from Bangladesh more excited about coding, I collaborated with the facebook group named "Chittagong Junior Coders" and taught the students ranging from 2nd to 10th grade programming using C.