

MONSIJ BISWAL

Final Year Undergraduate

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EXPERIENCE

DAAD WiSE Scholar

Christian-Albrechts-Universität zu Kiel

📅 May - July 2019

📍 Kiel, Germany

Chair of Communications

- Working with team on programming the Levenberg Marquardt training algorithm for a neural network.
- Leading the team on the training and evaluation of neural network models.
- Matlab based simulation model of a 64 bit QAM communication system.
- Experience with various training algorithms, performance and respective scope of improvement.

Summer Intern

Indian Institute of Technology, Kharagpur

📅 May - July 2018

📍 Kharagpur, India

Department of Electronics and Electrical Communication Engineering

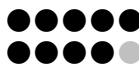
- Working in a research group which dealt with efficient storage algorithms to control data reliability and redundancy
- Developed regenerated codes, a type of distributed storage system where data is split and stored across several nodes
- Incorporated the algorithm into storing the contact numbers of a set of people.

ACHIEVEMENTS

- Among the top 10% students in my institute.
- Secured a global rank of 112 in Codechef December Long Coding Contest
- Achieved a global rank of 4 in Code Garage September Challenge
- Awarded distinction for securing an All India Rank of 19 in KVS Mathematics Olympiad. Selected for INMO training camp.

SKILLS

C++, Python
Git, Matlab, NetSim



EDUCATION

Bachelor of Technology, GPA 9.51

National Institute of Technology, Durgapur

📅 June 2016 - Present

Computer Science, 93.80%

Kendriya Vidyalaya

📅 June 2004 - June 2016

HONORS & AWARDS

- Was offered a internship position through Mitacs Globalink Internship, Canada
- Awarded with DAAD WiSE Scholarship
- Received the first prize at district level in Wiz National Spell Bee State Championship, 2015.

PROJECTS

Placement Portal

- A portal featuring all companies scheduled to visit the campus for hiring.
- Based on Django and hosted on Heroku

Transferro

LAN-based File Transfer System

- This Python-based application is designed for instantly transferring files between devices connected over the same network when the internet speed is low.

CJudge Automate

- A python script involving Selenium and Splinter package to automate submissions of programs to online judges.

Minimalist Audio Player

- A simple Matlab GUI-based audio player with the support for most common audio formats.

POSITIONS OF RESPONSIBILITY

- Training and Placement Representative
- Secretary, IEEE Student Branch, NIT Durgapur
- Maintainer, NIT DGP Open Source

PUBLICATIONS

Error-tolerant Beam Steering of mmWave Antennas by Trajectory Estimation of Highway Vehicles

- 2019 11th International Conference on Communication Systems & Networks (COMSNETS), Bangalore, India

Intelligent Traffic Routing Based on Real-time Congestion Analysis

- 2019 17th IEEE SCORed, Malaysia (To be published)