Saurav Dutta

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Education

Year	Degree	Institute/School	CPI/%
2023	**B.Tech, Civil Engineering**	**National Institute of Technology(NIT) Silchar**	9.03/10.0
2019	Senior Secondary(AHSEC Board)	Ramanuj Gupta Degree College, Silchar	86.4%

Academic Achievements

- Received Job offer from TATA CONSULTING ENGINEERS (TCE) *(March '23)*
- Selected as an Undergraduate Intern at **Indian Institute Of Technology, Guwahati** under Technical Innovaton Hub (TIH) *(Aug '22)*
- Selected as an Undergraduate Research Student under Undergraduate Research Council with a Funded Project at NIT, Silchar *(Aug '22)*
- Felicitated by **Glorius NGO** for securing a good rank in **JEE Mains** among Barak Valley Students *(Sept '19)*
- Awarded Bamunimaidam Certificate and Scholarship of 50,000 INR for securing Distinction in Assam Board *(June '19)*
- Cleared Pre-regional Mathematical Olympiad and was selected for Regional Mathematical Olympiad *(Aug '17)*

Employment History

Indian Institute Of Science(IISc), Bangalore, India

Position: **Project Associate** at the **Dept of Aerospace Engineering** *(June '23- Present)*

- Mentor: **Dr.Rajesh Chaunsali**
- Project: *Feedback Control of Mechanical Lattice*
- Skills: Control Systems, Experimental Skills, Arduino, Embedded Sensors, 3D Printing, Meta-material, etc.

Research Experience

National Institute of Technology, Silchar, India *(Jan'23–May'23)*

Mentored by Dr. Atanu Sahu, Department of Civil Engineering

- Bachelors Thesis: Static and Dynamic Analysis of Laminated Composite Plate Considering Hygrothermal Effects Using ABAQUS
- Area: Solid Mechanics, Finite Element Method, Mechanics of Composite Materials, etc
- Skills: ABAQUS, Python, etc

University of Southampton, UK *(July'22–Dec'22)*

Mentored by Dr. Susmita Naskar, Department of Aeronautics and Astronautics Engineering

- Remote Research Intern
- Area: Solid Mechanics, Finite Element Method, etc
- Skills: MAPLE, ABAQUS, MATLAB, etc

Indian Institute of Technology, Varanasi, India *(May'22–July'22)*

Mentored by Dr. Vishwajit Anand, Department of Civil Engineering

- Summer Research Fellow
- Developed a MATLAB Code to obtain various parameters of Ground Motion and characterize those parameters as critical or negligible
- Remarks: **Excellent**

Position of Responsibility

Head, School Genius(Tecnoesis), NIT Silchar *(Oct'22)*
- Managed Various age group of **School Students** as well as **Events**
- Became Judge of events like **Dance Competition & Singing Competition** for the Fest.

Head, Razzmatazz(Incandescence), NIT Silchar *(Feb'23)*
- Organized Gaming events, conducted quizzes, and made various types of events for the children.

Technical Skills

Programming Languages & Software - Arduino, MATLAB, MAPLE, MS-Office, ABAQUS, ANSYS, COMSOL Multiphysics, LaTeX

Relevant Courses

Mechanics of Material	Control Systems	Finite Element Method
Structural Analysis	Differential Equations	Mechanical Metamaterial
Advanced Structural Analysis	Numerical Methods in Engineering	Motor Control Design