



Naveen Kalwan

Roll No.:210123084

B.Tech - Mathematics and Computing

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Github | Website

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.54 (Current)	2024-Present
Senior Secondary	CBSE Board	95.6%	2021
Secondary	CBSE Board	96.6%	2019

PROJECTS

- **StudyNotion** June 2024 - Aug 2024
Personal Project Github | Link
 - Developed an educational platform using the **MERN** stack, featuring secure user **authentication** and **authorization** with **JWT tokens** and **OTP verification**, designed for both students and instructors.
 - Students can buy courses (Implemented using **Razorpay**), review them, and receive certificates upon completion.
 - Used **Nodemailer** to send emails for password updates, successful course enrollments, and payment confirmations, and leveraged **Cloudinary** for secure and efficient storage of course images and videos.
 - Instructors can build, update, and remove courses, offering a flexible and interactive learning experience.
- **Airline-Management Website** June 2024 - July 2024
Coding Club, IIT Guwahati Github | Link
 - Created a comprehensive airline management system using the **MERN** stack, enabling users to search for flights, fill in personal details, and seamlessly book single or multiple tickets in one transaction.
 - Integrated a secure payment gateway using **Razorpay**, with auto-generation of tickets and storage in **MongoDB**.
 - Implemented an **admin panel** for efficient management of flights, including functionalities to add, view, edit, and delete flights, as well as manage multiple bookings, ensuring smooth operation and maintenance of the flight database.
- **Chat Application** July 2024 - August 2024
Group Project Github | Link
 - Build a chat app with real time messaging feature and having one to one chat and group chat facility.
 - Integrated **Socket.IO** to enable real-time, **bi-directional communication** between clients and server, ensuring instant message delivery and live updates across users.
 - Used **Express.js** to manage the server and define API routes, and designed a fully responsive and user friendly UI using **react** and **SCSS**.

TECHNICAL SKILLS

- **Programming:** C/C++, Javascript
- **Web Development:** HTML, CSS, JavaScript, Tailwind, Node.js, React.Js*
- **DataBase Management:** SQL, MongoDB*
- **Miscellaneous:** Socket-io*, Express.Js * Elementary proficiency

KEY COURSES TAKEN

- **Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths, Probability & Random Processes
- **Computer Science:** Data Structure and Algorithm (+Lab), Database Management Systems (+Lab), Computer Network (+Lab) Design and Analysis of Algorithms, Digital design, Computer Organization and Architecture

POSITIONS OF RESPONSIBILITY

- **UG Senator, Student Gymkhana Council,** April 2023 - April 2024
 - Working with Task Force, Establishment, and Medical Sub-Committees.
 - Contributed towards enhancing student welfare and facilities, improving healthcare services and addressing pressing concerns.

ACHIEVEMENTS

- **Academic Excellence** , Offered discipline change to MnC branch in recognition of exemplary academic performance. 2021
- **Codeforces**, Maximum Rating **1507** (Handle: n.kalwan)
 - EPIC Institute Round August 2024 (Div. 1 + Div. 2) : Secured **Global Rank 974** among 25,259 registered participants.
 - Codeforces Round 937 (Div. 4) : Secured **Global Rank 1159** among 46,589 registered participants.
- **Leetcode** , Rated **1902** (ID: Naveenkalwan) with best rank of **692** among 32,151 participants in weekly contest 411.
- **CodeChef**, STARTERS 149 : Got a **Global Rank of 98** among 31,731 participants.
- **NTSE Scholar** , qualifies both 1st and 2nd stage of National Talent Search Examination 2019
- **KVPY** , cleared 1st stage of Kishore Vaigyanik Protsahan Yojana. 2020
- **Jee Advanced** , Secured All India Rank 17806 out of 2.5 Lakhs candidates 2021
- **Jee Mains** , Scored **98.2 percentile** out of 12.5 Lakhs candidates 2021