



# Vineet Kumar

Roll No.:220103118

B.Tech - Mechanical Engineering

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.67 (Current)	2022-Present
Senior Secondary	CBSE Board	91.6%	2022
Secondary	CBSE Board	91.5%	2020

## PROJECTS

- Collampus** [↗](#) Jan. 2024 - Feb. 2024  
*Inter Hostel Tech Competition* Github
  - Developed a web platform for showcasing tech projects, featuring capabilities like posting and editing projects, as well as user interactions such as liking, commenting, and saving projects.
  - Used **React** and **Tailwind** for the frontend, and **Node.js** and **MongoDB** for the backend, integrated **Nodemailer** for email notifications. Implemented **Azure Authentication** and supported multimedia uploads using **Firebase storage**.
  - Created and managed **APIs**, and successfully deployed the application.
  - Led the team and handled the entire product lifecycle from **design** to **execution**.
- POR Portal** [↗](#) Oct. 2023 - Present  
*Students' Web Committee*
  - Developed a platform for IIT Guwahati students to request verifications (e.g., club projects, Inter IIT participations) and certifications, along with letters of recommendation (LORs), from administrators.
  - Built backend APIs using **Node.js** and **MongoDB** for seamless request submissions, status tracking, and **Nodemailer** for secure OTP-based authentication. Created the frontend using **React.js** and **Tailwind CSS**.
  - Implemented **AdminJS** to simplify and improve the efficiency of managing data from the administrative side.
  - Established a **CI/CD** pipeline on GitHub for automated deployment.
- IITG Mechanical Department Website** [↗](#) Github  
*IIT Guwahati*
  - Enhancing and maintaining the official website using **Django** with **Wagtail CMS**, and managing **Apache server** deployment to ensure high uptime and smooth operation.
  - Implemented an **automation script** to update professors' research publications and streamline the bulk addition of student records, optimizing **data management efficiency**.
  - Supported a **global user base** with over **500+ users** accessing the admin panel, each with different roles and permissions.

## TECHNICAL SKILLS

- Programming:** C, C++, JavaScript, Python\*
- Web Frameworks:** ReactJs, NextJs\*, NodeJs, Django\*
- Database Management:** MongoDB(NoSQL), MariaDb(SQL)\*
- Software Tools:** Git/Github, VScode, Postman
- Operating Systems:** Linux (Ubuntu), Chromium OS, Windows
- Miscellaneous:** Figma, SolidEdge

\* Elementary proficiency

## KEY COURSES TAKEN

- Computer Science:** CS101(Introduction to Computing), CS110(Computing Laboratory)(Secured **AA grade**)
- Mathematics:** Multivariable Calculus, Real Analysis, Linear Algebra, Complex Analysis

## ACHIEVEMENTS

- InterIIT Bootcamp, IITG**, Secured **2nd** position in the **Healthcare-Software PS** with Team Winterfell. 2023
- JEE mains**, Secured **99.26 Percentile** among 1.2 million students. 2022
- JEE advanced**, Secured **All India Rank 6787** among 0.2 million after qualifying JEE mains. 2022

## POSITIONS OF RESPONSIBILITY

- Web Developer**, Students' Web Committee, IIT Guwahati 2023 - Present

## EXTRACURRICULAR ACTIVITIES

- React Js** and **Node Js** Mentor, HackStack, SWC, IIT Guwahati.
- Created the film for the **filmmaking** module of the inter-hostel cultural competition.
- Built an **RC plane** for the Laws of Flight module in an inter-hostel tech competition..
- Participated in all **photography** competitions and was a member of Montage, the Photography Club.