

VINAYAK H

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EDUCATION

National Institute Of Technology, Karnataka

Nov 2020- Present

B.TECH, MECHANICAL ENGINEERING Current CGPA: 8.27/10

PROJECTS

- **ELECTIVE ALLOTMENT WEBSITE** [Github](#) Jun 2023- Jul 2023
 - Successfully Developed a web-based system that utilized the **Google Sheets API** to extract student preferences for elective courses.
 - Designed and implemented a **custom algorithm** for efficient and fair elective allotment.
 - Integrated **Node Mailer** to automatically notify students of their allocated electives, improving communication and transpare
- **CREDIT CARD FRAUD DETECTION** Sept 2022- Nov 2022
 - Played an analyst role in building credit card fraud detection system using **Machine Learning**, and Python
 - Used **Numpy** and pandas module to analyse data
 - Used **Logistic Regression Model**, functions train split, and accuracy score to build classifier
- **KEPPER APP** [Github](#) Nov 2022-Dec 2022
 - This is a App built using **ReactJS** . The app can be useful to keep a track of your day-to-day works to do.
 - Implemented features for task creation, editing, deletion, and organization (**CRUD**) into categories, enhancing productivity and organization.

EXPERIENCE

- **RTLabs** March 2023 - Present
Web-Driven Mechanical Analyst
 - My role involved devising and implementing solutions through carefully designed experiments.
 - These experiments were brought to life using cutting-edge web technologies, enabling the simulation and analysis of mechanical scenarios.
 - Leveraging **JavaScript** libraries, I designed and implemented dynamic simulations that accurately replicated intricate real-world mechanical scenarios.
 - These simulations have significantly elevated the capabilities of web-driven mechanical analysis, enabling us to tackle complex engineering challenges with precision and insight.
- **Web Developer -UTKRISHTA BHARAT NITK** [Live](#) May 2022 - Present
Application Web Developer
 - As the Frontend Web Developer for Utkrishta Bharat, a prestigious club where I am serving as the Indic Renaissance Convenor, I played a pivotal role in creating an impactful online presence for the organization.
 - Worked on **Bootstrap** and Databases for making website responsive and data retrievals.

SKILLS

- **Programming/DBMS:** Python, C + + , MySQL
- **Web Technologies/Frameworks:** HTML, CSS, MongoDB, Express, React, Node, Bootstrap, EJS, Pug, Git
- **AI/ML:** Pandas, Numpy, DeepLearning, NLP, OpenCV, Scikit-Learn

ACHIEVEMENTS

- 3 star coder on [Leetcode](#)
- 5 star coder on [HackerRank](#)
- Secured 921 rank among 1.5lakh students in K-CET Exam, 2020

CO-CURRICULAR ACTIVITIES

- Indic Renaissance Convenor **Utkrishta Bharat, NITK**
- Class Representative of Mechanical Branch
- **Alumni Marketing** Head **INCIDENT NITK**
- **Treasurer** *Kannada Vedike NITK*
- Member of **Think India**
- Executive Member of **Rotract**