Nikunj Chauhan
Bachelor of Technology
Computer Science & Engineering
National Institute of Technology, Agartala

+91-9625362621
officialemail@nitp.ac.in
linkedin.com/in/nikunj-chauhan-9781832b2
github.com/Nkca122

About Me

• **Myself, Nikunj Chauhan** *Made in November 2024*
[Portfolio 🔗]

◦ Results-driven and detail-oriented student with a strong interest in full-stack web development. Passionate about creating intuitive user experiences and applying modern technologies, including AI and Machine Learning, to solve real-world problems.

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., CSE	National Institute of Technology, Agartala	9.21	-
Senior Secondary	Blue Bells Public School (C.B.S.E)	94.8%	2022-23
Secondary	Blue Bells Public School (C.B.S.E)	95.6%	2020-21

Projects

• **Aakash** *August - 2024*
  Tools: Tauri, Javascript/JS, Kaboom.js, HTML, CSS [🐙] [⬇] [▶]

◦ Designed and developed an arcade-style 2D desktop game aimed at raising awareness about space missions.

◦ Integrated two progressive levels along with a scoring mechanism that locally stores the highest score.

• **603WorkVed** *October - 2024*
  Tools: HTML, CSS, Javascript/JS [🐙] [🔗]

◦ Implemented the full layout and functionality of the "Spaces" page.

◦ Designed and structured the "About Us" section for enhanced presentation.

◦ Debugged and optimized the navigation system across the website's navbar.

• **Julius Encryptus** *November - 2024*
  Tools: React, Node.js, Express, RESTFUL API's [🐙] [🔗] [▶]

◦ Engineered a RESTful API capable of generating all possible Caesar cipher decryptions and classifying them into probable and non-probable categories.

◦ Applied Markov chain-based probabilistic models to enhance prediction accuracy.

◦ Developed a React-based web application and browser extension utilizing the API.

◦ Collaborated with a team member who leveraged the API to build a mobile application.

• **Traillio** *February 2024 (ongoing)*
  Tools: Python, numpy, pandas, matplotlib, scikit-learn, API requests [🐙] [🔗]

◦ Developed a platform that summarizes users' DSA journey across multiple coding platforms.

◦ Formulated a scoring model ("Trio Points") derived from peer-reviewed surveys to assess user progress.

◦ Performed regression analysis and data fitting using Multiple Linear Regression.

• **Fasal Guru** *August - 2024*
  Tools: Python, PyQt/PySide6, Pytorch, numpy, pandas, matplotlib [🐙] [⬇] [🔗] [▶]

◦ Built a desktop application designed to assist farmers in identifying the most profitable crop for their land.

◦ Trained a machine learning model using PyTorch for crop recommendation.

◦ Utilized supervised learning through label classification techniques.

Skills

• **Programming Languages**: Javascript, Python. C/C++

• **Technologies**: Node, Express, React.js, kaboom.js, MongoDB, Numpy, Pandas, Matplotlib, Scikit-Learn, OpenCV, Pytorch, Pygame, PySide6/PyQt

• **Tools**: Git/Github, Figma, VSCode, Jupyter Notebook. Render, Hoppscotch, Anaconda

• **Courses**: Object Oriented Programming, Data Structures and Algorithms

ACHIEVEMENTS

- **3rd Place** at the ISRO & DCC (NIT Agartala) Space Hackathon
- **Completion of HaktoberFest 2024**
- **8th Place** at the BIZHack Hackathon by Business Club NIT Agartala
- **2nd Place** at the Cyber Security Hackathon by Directorate of Information Technology, Tripura
- **2nd Place** at Code Relay by, IIT Bhubhaneswar
- **1st Place** at the North East ITA Conclave Pravah Hackathon