



Vivek Kumar

BS CSE Major

Indian Institute of Science Education and Research Bhopal

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My website: <https://vickvey.github.io/>

in LinkedIn

GitHub

PROFILE

- I am a full-stack web developer with a passion for solving real-world problems through web development. In addition to web development, I also enjoy building CLI applications. I don't limit myself to a specific tech stack and prefer to use the right tools for the job at hand. My academic background at IISER Bhopal has equipped me with knowledge in AI/ML, and I have applied this in various projects during my coursework. With a strong focus on product development, I am always looking for projects that involve building websites, software, or products from the ground up. I am also an active contributor on github and I like to showcase my projects and other code there: <https://github.com/vickvey>

EDUCATION

- B.S. Computer Science Engineering**
3rd year student
Electrical Engineering and Computer Science Department
CPI: 8.34/10
2022 - Present
Bhopal, India
- Senior Secondary Education**
Allen Career Institute, Kota
Qualified JEE-Advanced 2021 and JEE-Advanced 2022
2019 - 2022
Kota, India

TECHNICAL SKILLS

- Programming and Scripting Languages**
TypeScript, JavaScript, Python, C, C++
- My most used Libraries, Frameworks and Utilities**
NextJS, ExpressJS, TailwindCSS, Prisma, Figma, Scikit-learn
My primary choice for web products is NextJS and I have completely moved on to it to make good modern responsive websites.
- Product based Skills and Services**
 - UI/UX Design with Figma
 - Frontend Development with NextJS, ReactJS, TailwindCSS
 - Backend Development with NextJS, ExpressJS, Prisma and Typescript
 - CLI based application development with C/C++ and Python
 - Data Analysis with Numpy, Pandas, Matplotlib and Seaborn
 - Machine learning with Scikit-learn
- OS and Software**
Linux, Windows, Git/Github

PROJECTS & CONTRIBUTIONS

- Anxiety Prediction with Photoplethysmography (PPG) Signals**
Work: I did signal processing and analysis of PPG signals and developed a Machine Learning model for predicting Anxiety based on PPG Signal of participants under guidance of Dr. Haroon Lone.
Skills: Python, Data Analysis, Signal Processing, ML
Github URL: Project-PPG-Public
Lab: Systems and Informatics Research Lab, IISER Bhopal
May 2024 - Aug 2024

- **AdoptMe - Pet Adoption Website**
A simple frontend based Pet Adoption Website created using ReactJS.
Github repo Link: [Pet-Adoption-Website-Link](#)
- **Tic Tac Toe Web App**
A simple web based tic-tac-toe app, I utilised my knowledge of DSA to make this app.
Deployed Project Link: [Tic-Tac-Toe](#)
Github source code Link: [Github Link](#)
- **Student Record REST API Backend project**
Implemented a simple CRUD API with REST endpoints using Python Django and DjangoRestFramework
Github URL: [STUDENT REST API PROJECT](#)
- **Vanilla JS Web Apps**
BMI Calculator, TodoList and ColorFlipper projects
Deployed Project Link: [Vanilla-JS-Projects](#)
Github source code Link: [Github Link](#)
- **Task Tracker CLI App**
Work: Made a JSON integrated CLI app in C for cross-platform console use
Github URL: [task-tracker-cli](#)

ACHIEVEMENTS

- **Github Contributions**
I have 1 contribution in 2022, 161 in 2023, 517 in 2024, 83 in 2025 so far.
Total: 762 and counting...
- **2 star at Codechef Online Judge**
Have solved upto 300 DSA Problems on codechef and codeforces Dec 2024
- **Qualified JEE Advanced 2022** Oct 2022
- **Qualified JEE Advanced 2021** Aug 2021

RELEVANT COURSES

- **DSE312:** Computer Vision
- **DSE317:** Machine Learning
- **MTH202:** Probability and Statistics
- **ECS202:** Data Structures and Algorithms
- **ECS201:** Discrete Mathematics
- **MTH102:** Linear Algebra
- **ECS102:** Introduction to Programming

POSITIONS OF RESPONSIBILITY

- **Co-ordinator**
CyberHeathens (IISER-Bhopal Coding club) June 2024 - Present
- **Problem Setter**
CyberHeathens (IISER-Bhopal Coding club) June 2023 - June 2024