



Vivek Kumar

B.Tech - Civil Engineering
Indian Institute Of Technology, Delhi

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Github | Portfolio

LinkedIn

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Delhi	7.52 (Current)	2022-2026
Senior Secondary	CBSE Board	91.4%	2021
Secondary	CBSE Board	95.0%	2019

PROJECTS

- **Complex Matrix Calculator** Dec. 2023 - Jan. 2024
Prof. Monika Aggarwal Github
 - Developed responsive and user-friendly frontend using ReactJS.
 - Implemented functions to calculate for LUD, SVD, Eigen Values, etc. using Numpy, SciPy, SymPy.
 - Connected backend and frontend using FastAPI and pydantic for fast processing and calculations.
- **React Ecommerce Web** June 2023 - July. 2024
Summer of Code IITD Website
 - Developed frontend as per design given by DevClub IITD using ReactJS.
 - Implemented functionality of E-commerce app such as Create Product, Delete Product, Update Product, etc.
 - Used public API to develop e-commerce functionality using fetch API in ReactJS.
- **CodeForces API** Oct. 2023 - Oct. 2024
Project Github
 - Developed user-friendly frontend using HTML, CSS, EJS.
 - Implemented functionality of User, Question Search and check for Upcoming and Past Contests.
 - Used Codeforces API to fetch data based on the inputs given by the user on the frontend.
- **Travel Tracker Web** Nov. 2023 - Dec. 2023
Project Website
 - Developed web to track the countries visited by different members of Family/Friends.
 - Built backend using ExpressJS and Database was managed by PostgreSQL.
 - Responsive and User-friendly Frontend was developed using HTML, CSS, and EJS

SKILLS

- **Languages:** C++, Java, JavaScript, Python(Numpy, Panda, SymPy, SciPy), MySQL
- **Programming:** HTML, CSS, Bootstrap5, EJS, ReactJS, ExpressJS, PostgreSQL, Git, Vim
- **Operating Systems:** Windows, WSL, Linux(Ubuntu)

KEY COURSES TAKEN

- **Mathematics:** Calculus(MTL 100), Linear Algebra(MTL 101)
- **Programming:** Introduction to Programming(COL 100), Data Structure and Algorithm (COL 106)

POSITIONS OF RESPONSIBILITY

- **Technical Team Executive**, Placement Cell(OCS), IIT Delhi Apr. 2023 - June 2024
 - Added features and removed bugs from OCS portal and OCS Official website
 - Monitored portal during placement and internship season for seamless execution.
 - Created and maintained websites for events like Pravritti in the team.
- **Representative**, Hindi Samitti, IIT Delhi Apr. 2023 - June 2024
 - Organized events such as Kavi Sammelan, MUN, etc. smoothly with a gathering of 300+ people.
 - Led a team of Team heads and Activity heads during Rendezvous'23 in various events of the Club.
 - Organized workshops in the Hostel to increase participation and awareness among Hostel Colleagues.

ACHIEVEMENTS

- **National Means cum Merit Scholarship** , Qualified in 8th class among 0.1 million students. 2017
- **JEE Mains 2022**, Secured **AIR 2596** among 1.1 million candidates appearing for the test 2022
- **JEE Advanced 2022**, Secured **AIR 4482** among 0.15 million candidates appearing for the test 2022
- **CodePeak'23**, Secured **Rank 1** among 1500+ candidates contributing to Open Source 2023