Kumar Chaitanya Raghuwanshi

UG (III Year I Semester)
B.Tech. (Biosciences and Bioengineering)
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Registration No: 21111023/2024

Indian Institute of
Technology
Roorkee

VERIFIED

Area of Interest

Web Development, Data Structures and Algorithms

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2023	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	8.304
2021	Intermediate (Class XII)	VIVEKANAND PUBLIC H.S. SCHOOL, JAWAHAR WARD SOHAGPUR, HOSHANGABAD, M.P. [MPBSE]	93.40 %
2019	Matriculate (Class X)	ST PATRICK'S AA MAUMAVI SOHAGPUR HOSHANGABAD MP [CBSE]	93.40 %

Internships

Web Developer | TUSHTI TECHNOLOGIES PVT. LTD.   May 2023 - July 2023
- Designed a cutting-edge website with a user-centric approach.
- Developed the frontend, ensuring a seamless and visually engaging user experience with HTML, CSS, and JavaScript, and powered by React.js for enhanced interactivity.

Projects

Docking through homology modeling | BSBE Department, IIT Roorkee   September 2022
- Predicted structure of biphenyl dioxygenase from pseudomonas B4 using Swiss Model
- Did Homology modeling and engineering of Biphenyl dioxygenase pseudomonas B-4 involved in degradation of polychlorinated biphenyls

Smart Solar Pannel | ECE Department, IIT Roorkee   March 2023 - May 2023
- Developed an algorithm for the two dimensional motion of tracker through light detection
- Designed the working model circuit
- Worked on Arduino IDE

Awards / Scholarships / Academic Achievements

- Part of the iGEM team IIT Roorkee which secured a Good Medal in the prestigious international synthetic biology competition, where we competed against over 300 teams worldwide in 2022.

Skills

Computer languages   C++, HTML, CSS, Python, Javascript
Software Packages   Git, Github, Pandas, NumPy, LTSpice, WinCoot, Pymol, ChemSketch, ccp4i2, PyRx,
Additional Courses   INNOVATION, ENTERPENRNEURSHIP AND BUSINESS MODELS
Languages Known   English(SRW), Hindi(SRW)

Positions of Responsibility & Extra Curriculars

Associate Coordinator | Placement and Internship Cell, IIT Roorkee   October 2022 - Present
- Showcased excellent communication skills as a placement cell coordinator
- Played primary role in contacting companies for hiring
- Engaged in conversations with HR of companies via email or phone calls
- Managed several placement text and helped in arranging interviews

Executive Member | Unnat Bharat Abhiyan   February 2022 - May 2023
- Unnat Bharat Abhiyan is a project under the Ministry of Education, GOI, aimed at sustainable rural development
- Skilled in creating thorough and well-organized documentation
- Was one of the point of contact between village school and UBA Team
- Executed Heath Camp Initiative, involved in generating awareness among people in rural areas about various government schemes and was part of book distribution campaign

Member | iGEM IIT Roorkee   June 2022 - Present
- Worked as a wetlab member
- Worked as human practices member by contacting and talking to various experts

References

Aditya Mahajan
Founder
Trusty Money
trustymoney1@gmail.com

Pravindra Kumar
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BSBE Department, IIT Roorkee
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