

Vikram Kumar

B.Tech. | NIT Rourkela

Final Year, Biomedical Engineering.
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Education

2020-PRESENT
B.TECH., BME
NIT Rourkela
SGPA : 9.86/10
CGPA : 9.04/10

MAY 2019
INTERMEDIATE
St. Joseph's Sr. Sec. School, Panapur,
Muzaffarpur, Bihar
Percentage: 87.6%

MAY 2017
MATRICULATION
St. Joseph's Sr. Sec. School, Panapur,
Muzaffarpur, Bihar
CGPA: 10.0/10.0

Links

Codechef// [vikram0007](#)
Github:// [Mrnoobcoder](#)
LinkedIn:// [vikram kumar](#)

Skills

GENERAL PROGRAMMING
C, C++, Python, HTML, CSS, Django

OPERATING SYSTEMS
Windows, Kali Linux

SOFTWARES
Auto CAD, Vs code, Arduino, Tinkercad
Code block, Matlab, Mathematica

LANGUAGES
English, Hindi

Relevant Courses

Data Structures and Algorithm
Machine learning
Packet Tracer
Web development

Work Experience/Projects

2024-CURRENT **Web App for Obstructive Sleep Apnea(OSA) Diagnosis based on Deep learning** **Research Project**
I have developed a web application for OSA diagnosis. This application will be used by healthcare professionals who will have ECG signals of patients. Doctors will have to enter the ECG signal and the my model which is based on 1D CNN, on the website will tell the severity of the disease. Now I am optimizing the website.

2023-DEC **Database Infrastructure for ledger** **IIT Bombay**
Developed a database infrastructure for the ledger using Python, based on blockchain technology. Now I am working on implementing Zero Knowledge proof for the verification of transaction in the ledger.

2023-MAY **Mathematical modelling (Indian Academy of Sciences Fellowship)** **IIT Kharagpur**
My research project was to make a mathematical model of microfluidic circular cylinder containing ionic solution used in Lab on a Chip technology and analyze the velocity profile and pathline using Mathematica software and python.

2022-JUNE **Statistical Learning and Linear Programming at Tata Institute Of Fundamental Research (TIFR)** **Boot camp**
Participated in a rigorous 30-day summer workshop in mathematics (SWIM), held at TIFR-CAM Bangalore. Acquired knowledge in statistics and machine learning, and honed problem solving skills using Python.

2022-JAN **Teacher, Doubtnut** **Intern**
I have taught intermediate students at the Edtech platform, Doubtnut for six months.

Achievements/Certifications

2023-JAN **Certificates**
1. **C++ essentials, Networking, IASc, TIFR**

Extra Curricular Activities

2023-JAN **Tutor on filo app**
I used to solve doubts of students of class 11 and 15th on filo app. I also like teaching, whenever I get chance to teach, I teach.

2022-Now **Martial arts**
I like practicing martial arts. I have learnt karate and kick boxing for more than 6 months.

2022-JAN **Games** **District Level**
I like playing chess and I have played chess at district level (Muzaffarpur).