



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2026	B.TECH	IIT Kharagpur	8.53 / 10
2022	Telangana Intermediate Examination	Narayana Junior College	98%
2020	Andhra Pradesh Secondary School Examination	Viswabharati E.M High School	99.33%

PROJECTS

- Online Sales Portal | Software Engineering Course Project | IIT Kharagpur** [Jan '24 - Apr '24]
(Under the guidance of Prof. Abir Das and Prof. Sourangshu Bhattacharya)
- Developed an online sales portal where people can easily and conveniently buy and sell their products on the same platform
 - Implemented features such as negotiation between customers and sellers through text messages, ordering, selling a product
 - Utilized **Django Template Language** for creating responsive, user-friendly pages that effectively showcase various features
 - Utilized **Django** and **SQLite** for backend, incorporating **Bootstrap with Django Template Language** for frontend design
- Registration Portal | Software Engineering Course Project | IIT Kharagpur** [Jan '24 - Apr '24]
(Under the guidance of Prof. Abir Das and Prof. Sourangshu Bhattacharya)
- Developed an Academic Unit registration portal for students(ug &pg) and teachers to manage personal information efficiently
 - Created an intuitive **Graphical User Interface (GUI)** using **Tkinter** for data entry and retrieval, enhancing user interaction
 - Implemented secure storage of user data in a text file, ensuring thorough data integrity, security, and easy accessibility
 - Implemented user edit details and account deletion functionalities using Python for backend processing and management
 - Enhanced security by implementing account disabling after 3 incorrect password attempts, integrating **Python** and **Tkinter**
- Driver Drowsiness Detection System | DIY Course Project | IIT Kharagpur** [Nov '22 - Feb '23]
(Under the guidance of Prof. Cheruvu Siva Kumar and Prof. Ananta Sarkar)
- Developed a Driver Drowsiness Detection System using **Arduino Nano** and sensors for real-time monitoring and alerting
 - Used **IR sensor** for Eye Blink and Sleep detection, **Ultrasonic** for proximity monitoring and a **buzzer** to sound the alarm
 - Connected Arduino to dynamically adjust eye blink detection thresholds, allowing customization for varied driver conditions
 - Utilized **Tinkercad** to integrate various sensors, significantly improving detection accuracy and expanding functionality

AWARDS AND ACHIEVEMENTS

- Secured an **All India Rank 269** in **JEE Advanced, 2022** among 2Lakh qualified candidates, conducted by IIT Bombay
- Secured an **All India Rank 1234** in **JEE Mains, 2022** among 1million candidates, conducted by National Testing Agency
- Achieved a **codeforces rating of 1300+**, attaining the title **Pupil** under the handle name "**varun_mupparaju**"
- Secured an **All India Rank 65** in **JEE Mains,B.Arch 2022** among 9 lakh candidates, conducted by National Testing Agency
- Secured a **State Rank 87** in **AP Eamcet 2022** among 2 lakh candidates, conducted by the Government of Andhra Pradesh
- Secured a **State Rank 91** in **TS Eamcet 2022** among 2 lakh candidates, conducted by the Government of Telangana
- Qualified for the **Kishore Vaigyanik Protsahan Yojana(KVPY)** with an **All India Rank 586** in the year 2021-22
- Scored **333 marks out of 390 marks** in **BITSAT 2022** conducted by **Birla Institute of Technology and Science,Pilani**
- Awarded with a **Certificate of Merit** for placing in the **top 1%** in the **Indian Olympiad Qualifier in Physics 2021-22 Part-1**

SKILLS AND EXPERTISE

- Programming Languages:** C, C++, Python, HTML, CSS, Java Script*
- Libraries and Frameworks:** C++ STL, Tkinter, OpenCV*, Numpy*, Django, Nodejs*, MongoDB*, Numpy*
- Tools and Software:** Git*, Github, VSCode, grep, gdb, Valgrind *Elementary Proficiency

COURSEWORK INFORMATION

- Computer science Courses:** Programming and Data Structures* | Software Engineering* | Algorithms-1* | Formal Language and Automata Theory | Discrete Structures | Systems Programming Laboratory | Switching Circuits and Logic Design*
- Other Courses:** Probability and Statistics | Advanced Calculus | Electrical Technology | Linear Algebra Numerical and Complex Analysis | Signals and Systems | Basic Electronics*
- *indicates courses with laboratory component

POSITIONS OF RESPONSIBILITY

- Design Team Member | Spring Fest 2023 | IIT Kharagpur** [Nov '22 - Jan '23]
- Collaborated with a team of 16 Design Team Members to **design and model all event props and photo booths**
 - Assisted Sub-Heads** in **creating social media posts**, enhancing overall reach and engagement

EXTRA CURRICULAR ACTIVITIES

- Participated in the **General Championship Hockey 2024** on behalf of **RadhaKrishnan Hall of Residence, IIT Kharagpur**
- Bagged the First Place in the **Call of Duty, Mobile game** in the gamefest conducted by the **Kshitij** in the year 2024
- Actively participated in **Bronze winning Illumination 2023**, held at **Radhakrishnan Hall of Residence, IIT Kharagpur**
- Attended the **NSO Health & Fitness** Programme and secured **Perfect Attendance** from Unit 11 in Spring Semester 2022-23
- Participated in the **Expressionless Dance on Teacher's Day 2023** conducted by **RadahaKrishnan Hall of Residence**