



Vedant P Rajpurohit

Roll No.:210102108

B.Tech - Electronics and Communication

Engineering

Minor in Computer Science and Engineering

Indian Institute Of Technology, Guwahati

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	9.09 (Current)	Nov. 2021–Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	8.0 (Current)	July 2022–Present
Senior Secondary	Maharashtra HSC Board	91.67%	2021
Secondary	CBSE Board	95.8%	2019

PROJECTS

• Formula SAE EV Design

Aug. 2022- Present

Automobile Club, IITG

- Study and Selection of Charging System for Battery Pack of EV
- Analysis of Regenerative Braking in EV
- Design of BSPD(Brake System Pausibility Device) for EV

TECHNICAL SKILLS

• **Programming:** Python, C, C++*, MATLAB

• **Libraries:** NumPy*, Pandas*, TensorFlow*

• **Simulation Tools:** Verilog

* Elementary proficiency

KEY COURSES TAKEN

• **Mathematics:** Linear Algebra, Discrete Mathematics, Probability & Random Processes*, Real Analysis, Ordinary and Partial Differential Equations

• **Electrical and Electronics :** Signals and Systems, Circuit Theory, Control Systems*, Digital Circuits, Analog Circuits*

• **Computer Science:** Data Structures and Algorithms*, Automata Theory

• **Audits and Online Courses:** Machine Learning Specialization(Coursera)

* Ongoing

POSITIONS OF RESPONSIBILITY

• **Core Team Member**, Automobile Club, IIT Guwahati

March 2023 - Present

ACHIEVEMENTS

- Achieved an **All India Rank** of **46** in Indian National Chemistry Olympiad 2021
- Achieved a **Nation Top 1%** score in NSEC
- Achieved an **All India Rank** of **650** in Kishore Vaigyanik Protsahan Yojana 2020
- Achieved an **All India Rank** of **5751** in JEE Advanced 2021
- Achieved an **All India Rank** of **2715** in JEE Mains 2021

EXTRACURRICULARS

• **Cepstrum Mentor:** Inducted and mentored a group of freshers regarding academics, hobbies and the various opportunities open to them in the campus, under Cepstrum(Student Body of EEE Department)

• **Volunteer:** Taught underprivileged children under the DISHA programme of IITG