



Kartik Kurupaswamy

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M.Sc. - Mathematics and Computing

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Homepage | LinkedIn

GitHub | Geeks-for-Geeks

EDUCATION

| Degree/Certificate | Institute/Board | CGPA/Percentage | Year |
|--------------------------|---|-----------------|--------------|
| M.Sc. | Indian Institute of Technology, Guwahati | 8.4 (Current) | 2021-Present |
| B.Sc.(Hons.) Mathematics | The Maharaja Sayajirao University of Baroda | 8.1 | 2018-2021 |
| Senior Secondary | Central Board of Secondary Education | 96.4% | 2018 |
| Secondary | Central Board of Secondary Education | 10 | 2016 |

PROJECTS

• Vote India - Blockchain based voting system

May. 2022 - Aug. 2022

Self Guided

GitHub | Website

- An online voting system based on **Blockchain technology powered by Ethereum**. It is a secure, transparent and decentralized way of voting.
- The ballots are converted into transactions and securely transacted on **Görli Testnet**.
- Technologies used: **HTML, CSS, JavaScript, Solidity, Web3.js, Ethers.js**

• Scheduling Assistant- IITG

Jul. 2022 - Sept. 2022

Group Size-3

GitHub | Website

- A scheduling assistant that allows creation of **personalized lecture schedules based on IITG slot** system and records attendance data.
- **Hosted a database** for this purpose and connected it to the application via **internal API calls**.
- Technologies used: **HTML, CSS, React.js, PHP, MySQL**

• Student's Hostel Portal

Aug. 2022 - Ongoing

Prof. Ashok Singh Sairam, Dept. of Mathematics, IIT Guwahati, Group Size- 2

GitHub

- A **centralized portal** for the Hostel Affairs board to **deal with hostel-related matters**. Keeps track of the available rooms, rooms occupied, and allow the admin to allocate rooms to new students.
- In addition to this, it also records the complaints registered by students related to rooms they have been allocated.
- Technologies used: **HTML, CSS, JavaScript, PHP, MySQL**

TECHNICAL SKILLS

- **Programming:** C, C++, JavaScript, PHP, MATLAB*, Solidity*
- **Web Technologies:** HTML, CSS
- **Database Management:** MySQL, Google Firebase
- **Operating Systems:** Windows, Ubuntu*
- **Miscellaneous:** LaTeX, Truffle, Metamask, Web3.js*, Ethers.js*, Git*

* Elementary proficiency

ACHIEVEMENTS

- **Google Kick Start Round F 2022**: Secured global rank **717** among **9k** participants.
- **Google Code JAM 2022**: Qualified qualification round with **71 points** out of 100.
- **Geeks-for-Geeks Practice:** Rank **6** in Institute among **4000+** students with longest **POTD streak** of **120+** days.
- **CodeChef:** A **4-star** coder with highest rating of **1953** and **Global Rank 12 (AIR-7)** in **Starters 42 Div 2**.

KEY COURSES TAKEN

- **Computer Science:** Computer Programming, Data Structures & Algorithms, Database Management Systems*, Theory of Computation*, Number Theory & Cryptography*
- **Mathematics:** Linear Algebra, Discrete Mathematics, Modern Algebra, Differential Equations, Probability Theory, Optimization Techniques, Numerical Analysis*

* To be completed in Nov. 2022

POSITIONS OF RESPONSIBILITY

- **Core Team Member**, Election Commission, Students' Gymkhana Election, IITG

Apr. 2022 - May. 2022

EXTRACURRICULARS

- **Saathi Counselling Club, IITG:** Mentoring freshmen under Peer Mentorship Program.
- **LaTeX Workshop:** Attended two days workshop conducted by Research Scholar Forum (RSF) Mathematics, IITG.
- Seminar presentation on **Watermarking for Ownership** an application of Data Hiding.(Seminar Oct'22).