Kartik Kurupaswamy

Roll No.:212123027
M.Sc. - Mathematics and Computing
Indian Institute Of Technology, Guwahati

 +91-9662164080| Gmail
 kartik.kurupaswamy@iitg.ac.in
 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.)	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, Node.js, Web3.js*, Ethers.js*, Git*

* Elementary proficiency

KEY COURSES TAKEN

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

* To be completed in Nov. 2022

POSITIONS OF RESPONSIBILITY

- **Core Team Member**, Election Commission, Students' Gymkhana Election, IITG *Apr. 2022 - May. 2022*

ACHIEVEMENTS

- **Google Kick Start Round F 2022**: Secured global rank **747** 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**

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).