

RAJDEEP MAJI

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EDUCATION

- **Indian Institute of Technology, Kharagpur** 2020-2024
B.Tech in Electronics and Electrical Communication Engineering GPA: 8.51
- **Kendriya Vidyalaya No. 03** 2018-2020
AISSCE (CLASS XII); Percentage: 94% (Second in class of 86)

PROJECTS

Price Tracking App [\[Link\]](#) [June' 22 - July' 22]

- Created a price tracker using inbuilt **python** libraries and tracked the prices of the items on Flipkart using the corresponding product's URL and currently the app is fully operational on local devices
- Used **requests** library for scraping and **BeautifulSoup** for parsing data i.e. current price of the product
- Built the user interface using **Flask**, python to accumulate the user data and store it in the database

Searching and Sorting Visualizer [\[Link\]](#) [May' 22 - June' 22]

- Created a visualizer to visualize different searching and sorting algorithms using **pygame**
- Supports pathfinding algorithms such as **A-Star**, **Breadth-First Search** and **Depth-First Search**
- Supports different sorting algorithms such as the **Bubble-Sort**, **Insertion-Sort** and **Merge-Sort**

ACHIEVEMENT

- Secured Global Rank of **472** among **9.5k+** participants in Google Kick Start' 22 Round F
- Secured Global Rank of **353** out of **11k+** participants in Div3 round #805 of codeforces
- Secured Global Rank of **93** and **126** in Starters 65 and August LunchTime 2022 div.2 resp. in Codechef
- Secured Global Rank of **116** out of **22k+** participants in Newton's coding challenge August 2022
- Secured Global Rank of **34** out of **2.2k+** participants in Coding Velocity by Pnapao Pvt. Ltd.

COURSEWORK INFORMATION

- **Computer Science** : Programming and Data Structure, Programming and Data Structure Laboratory
- **Mathematics** : Probability and Statistics, Linear Algebra and Numerical Analysis, Advanced Calculus
- **Electronics** : Signals and Systems, Digital Electronic Circuit, Network Theory, Communication-I

SKILLS AND EXPERTISE

- **Languages**: Proficient : C++, C | Familier : python, Flask, Jinja, HTML, CSS, Javascript
- **Software & Operating System** : Git, Github, Microsoft Office, Windows, Matlab, TinaTI, LTSpice
- **Peak ratings** : Codeforces (**1529**(Specialist), rajdeep_maji), Codechef(**1953**, Crompton)

EXTRA CURRICULAR ACTIVITIES

- Served as a cadet in 3 Bengal Tech AIR SQN National Cadet Corps at IIT Kharagpur for two years
- Subject-Matter Expert (SME) in Advanced Maths at Chegg Inc. from previous one year
- Member of Volleyball Team, Patel Hall of Residence in Inter Hall General Championship 2021-22 at IIT Kharagpur