

ARPAN KUMAR CHAKRABORTY

Durgapur, West Bengal

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Education

Ramkrishna Mahato Government Engineering College

July 2018 – June 2022 (Expected)

Bachelor of Technology in Computer Science and Engineering, 9.38 CGPA

Purulia, West Bengal

Hem Sheela Model School

April 2016 – May 2018

Higher Secondary, 87.66%

Durgapur, West Bengal

St. Xavier's School

March 2005 – April 2016

Secondary, 87.83%

Durgapur, West Bengal

Technical Skills

Programming Languages: C/C++, Java, Python, Bash

Web Development: HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js

Database Languages: MongoDB, SQL

Operating Systems: Microsoft Windows, Linux

Major Projects

Code To Win App | *JavaScript, Node.js, Bash, Batch* | 🌐

August 2020

- Used VS Code extension API to build an extension that provides many useful features to competitive programmers.
- Implemented a web scrapper using Puppeteer to parse test cases from programming websites.
- Implemented compile and run support for source code written in common programming languages using a simple key stroke.
- Implemented a test case checker that checks the result of your program to expected values and outputs an appropriate comment.
- Wrote separate scripts for the application to work on both Windows and Linux environment.

Code Arcade | *HTML, CSS, JavaScript, Node.js, MongoDB* | 🌐

February 2020

- Designed a forum for coders to interact, answer each others questions and post educational content.
- Used HTML, CSS and JavaScript for Front-End development.
- Used Bootstrap as CSS framework.
- Back-End is developed on Node.js. Used Express.js as Back-End framework.
- Implemented user authentication using Passport.js.
- MongoDB is used as the database application. Used Mongoose to interact with the MongoDB database.

Other Projects

Tree of Links | *HTML, JavaScript, CSS* | 🌐

May 2021

- Designed a website that houses all important links that you want to share with your audience in one place.
- Manipulated HTML5 canvas element using its 2D Rendering Context in JavaScript to realize a *falling confetti* background animation.

Key Courses

- Data Structures
- Algorithm Analysis
- Database Management
- Operating Systems

Areas Of Interest

Competitive Programming, Advanced Data Structures and Algorithms, Machine Learning

Scholastic Achievements

- **Silver medal** in the course Ethics In Engineering Practice conducted by NPTEL.
- **Silver medal and toppler of 5%** in the course Programming, Data Structures and Algorithms Using Python conducted by NPTEL.
- **Gold medal and toppler of 2%** in the course Programming In Java conducted by NPTEL.
- **Gold medal and toppler of 5%** in the course Enhancing Soft Skills and Personality conducted by NPTEL.
- **Gold medal and toppler of 1%** in the course Speaking Effectively conducted by NPTEL.
- Secured a State Rank of **58** in National Level Science Talent Search Examination 2017.

Extracurricular

- * Secured an International Rank of **114** in Codechef December Challenge 2020 Division 2 out of 20 thousand participants.
- * Achieved a **4 Star** rating in CodeChef in December 2020.