PRAKASH KUMAR

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EDUCATION

IEM, Institute of Engineering and Management, Kolkata **2019 – 2023**
B.Tech - Electrical and Electronic Engineering - ***CGPA - 8.56*** *Kolkata, West Bengal*

Class 12th and Class 10th, Shiv Jyoti Senior Secondary School, Kota, India , **2017-2019**
Class 12th Percentage: 71.8, Class 10th Percentage: 73.4

SKILLS SUMMARY

Programming Languages: C++, Java, JavaScript, SQL
Web Development: : React.js, Node.js, Express.js, HTML/CSS
Testing and Databases: MongoDB
Developer Tools: VS Code, IntelliJ, Canva

PROJECTS

StudyNotion | HTML,CSS,React, JavaScript,Databases-MongoDB, Node.js, Express.js **2023**

- Study Notion is a fully functional end-tech platform that enables users to create, consume, and rate educational content. The platform is built using the MERN stack, which includes ReactJS, NodeJS, MongoDB, and Express.JS.
- System architecture: The high-level overview of the platform's components and diagrams of the architecture.
- Front-end: The description of the front-end architecture, user interface design, features, and functionalities of the front-end, and frameworks, libraries, and tools used.
- Back-end: The description of the back-end architecture, features and functionalities of the back- end, frameworks, libraries, tools used, and data models and database schema.
- API Design:The description of the API design, list of API endpoints, their functionalities, and sample API requests and responses.
- Deployment: The description of the deployment process, hosting environment and infrastructure, and deployment scripts and configuration.
- Testing: The description of the testing process, types of testing, test frameworks and tools used.
- Future Enhancements: The list of potential future enhancements to the platform, explanation of how these enhancements would improve the platform, estimated timeline and priority for implementing these enhancements.

RandomPasswordGenerator | HTML,CSS and JavaScript **2023**

- A simple web application that generates random passwords up to 20 characters in length. Users can customize their passwords based on criteria like including uppercase letters, lowercase letters, numbers, and special characters.
- JavaScript: Logic for generating random passwords based on user preferences.
- A function to generate a random password based on user-selected criteria.
- Algorithm to randomly select characters from predefined sets (uppercase, lowercase, numbers, special characters).
- Functionality to limit password length to a maximum of 20 characters.

RandomGifGenerator | React, JavaScript, CSS, HTML, API **2024**

- web-based application that displays a random GIF each time a user interacts with a button.
- The GIFs are fetched from a GIF API.
- Register and get an API key from Gappy/Tenor.
- On button click, trigger the API call to fetch a new GIF and update the state

CODING PLATFORMS

- Solved **500+** Problems on **Leetcode**.
- Solved **500+** Problems across **GeeksforGeeks**.

Languages:

- English.
- Hindi.