

KALIPADA CHAKRABORTY

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EDUCATION

- **College of Engineering and Management Kolaghat, India** CGPA: 8.2
BTech (Computer Science and Engineering), Graduation Year 2024
- **Contai Polytechnic, Contai, West Bengal** CGPA: 7.5
Diploma in computer science, pass out year 2021

WORK EXPERIENCE

- **Web Development and Designing Intern, Oasis Info byte | Link |** APRIL - MAY, 2024
 - Collaborated with a team of developers to integrate the login authentication system into existing web applications, ensuring platform compatibility and functionality. Have some features like login, signup etc.
 - Conducted through testing and debugging to identify and resolve any issues, ensuring the system's reliability and stability.
 - Maintained automated data pipelines for efficient data extraction, transformation, and loading (ETL) processes using SQL and Python.
- **AI Intern, Edunet foundation** SEP, 2023
 - Developed a highly secure text encryption and decryption system using Python, ensuring the confidentiality of sensitive information.
 - Implemented advanced encryption algorithms to protect data, enhancing the overall security and privacy of communication.

PROJECTS

- **Online Code Editor | Node.js, Express.js, React | Link |**
 - Building an online compiler is to facilitate any user such that programs of any language can be compiled and run without downloading any IDE or compiler.
 - Build an online code compiler using **React.js** as frontend and **Express.js** as backend.
 - User able to write C, Java code with proper syntax highlighting as well as compile and execute it online.
- **Twitter Clone | Scalable Social Media Platform | HTML , CSS, JavaScript, React | Link |**
 - Developed a Twitter clone utilizing React for front-end, **MongoDB** for database, and Node.js for back-end.
 - Implemented Login, Signup, Create Tweet, Follow User like 10+ more features. Established Postgres for the database with all read queries under 10 milliseconds.
 - **Node.js** for the back-end architecture with response time under 50 milliseconds for all APIs. Ensured exceptional performance through rigorous **REST API** testing with 100% test coverage.
- **Hotel Rent site| HTML, CSS, JavaScript, React.js, Redux, MongoDB | Link |**
 - Engineered a Wikipedia query platform with **JSON** and HTML result formats.
 - Employed **Node.js** for the backend infrastructure for enhanced performance.
 - Acquired and processed data from wikipedia.org with results under 400 milliseconds.
 - Subjected the platform to rigorous testing, with 100+ queries like 'India,' 'America,' and more.
- **Text File Encryption Decryption | Java | Link |**
 - GUI based file selection facility, to select the original file and the cipher text file.
 - Facility to save the converted Cipher Text into your PC and then send that file to the receiver.
 - Use any combination of password for encryption, but the same password has to be used while decrypting otherwise the decrypted contain will get altered by huge margin, so any gassing of the password will not do the trick.

TECHNICAL SKILLS

- **Languages:** Java, C, JavaScript, python
- **Full Stack Development:** HTML, CSS, JavaScript, React, Express.js, Node.js, SQL, vue.js.
- **Database:** MySQL, MongoDB
- **Developer Tools:** VS Code, Git, GitHub.

HONORS AND AWARDS

- **Solved 100+ problems on LeetCode, Codechef.**
- **Secure 2nd position in collage Hackathon competition.**

CIRTIIFICATION

- **Agile Methodology Job Simulation (Forge) – Cognizant**
- **C Programming – Solo Learn.**