RINKI KUNDU
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EDUCATION

Northeastern University, United States, Master of Science in Information Systems, **GPA**: 3.68/4 **Sep 2022-May 2024**
Courses: Object oriented design using Java, Web design and User experience, Program structure & algorithm

Maharshi Dayanand University, India, Bachelor of Technology in Computer Science, **GPA**: 3.6/4 **Aug 2017-July 2021**
Courses: Analysis and design of algorithm, Object oriented programming using C++, Programming languages, Database management systems, Web development, Data Structures and algorithm using C

SKILLS

- **Programming languages:** Python, C++, Java, JavaScript, Typescript
- **Web Technologies**: HTML, CSS, React JS, Bootstrap, Rest-Api, Redux, Node JS, Express JS, Next Js, TailwindCSS
- **Cloud:** AWS (EC2, S3, RDS, DynamoDB, IAM, VPC), GCP (Basics)
- **Databases** & **Tools:** SQL Server, MySQL, MongoDB, Git & GitHub, Postman

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, India **Sept 2021–Aug 2022**
Associate Software engineer

- Implemented responsive design principles, leading to a 25% boost in application accessibility across various devices
- Leveraged Agile principles to achieve a 40% reduction in average feature development cycle time, accelerating time-to-market and enhancing customer satisfaction
- Achieved 10% fewer SLA breaches and heightened network stability by resolving core issues through vigilant monitoring and swift resolutions. Ensured consistent optimal network performance, reliability, and user experiences
- Attained exceptional customer satisfaction through timely resolution and a consistent 99.9% uptime throughout the tenure, accomplished this by effectively addressing P2 and P3 network issues using platforms like ServiceNow and Spectrum
- Accomplished streamlined software solutions by actively participating in cross-functional teams, collaborating closely with UI developers, and adeptly implementing Agile methodologies, measured by improved development efficiency through successful feature building and testing processes within a productive Scrum framework

Software engineer trainee **Mar 2021–Aug 2021**

- Acquired proficiency in web development languages such as HTML, CSS, JavaScript, and jQuery, resulting in the creation of dynamic and interactive web solutions. Familiarity with cloud computing platforms such as AWS
- Implemented bug fixes and executed application performance enhancements, bolstering user experience.Proficient in utilizing version control systems like Git to ensure smooth collaboration
- Effectively combined JavaScript and CSS in custom web applications to develop user-friendly websites
- Applied web and mobile development best practices, including responsive design and cross-browser compatibility, ensuring optimal user experiences. Possess sound knowledge of back-end technologies such as Node.js

PROJECTS

Abhivaadan **[Angular, MongoDB, Node.js, Express, TypeScript, Bootstrap]:** Crafted a user-centric platform tailored for bloggers, proficiently utilizing Angular for front-end development and harnessing the power of Node.js and Express for the robust back-end. This project optimizes content management, enhancing the overall user experience.
Front-end: Expertly employed Angular to craft a responsive and engaging user interface.
Back-end: Utilized the dynamic duo of Node.js and Express to power a robust infrastructure, efficiently managing data processing, user authentication, and seamless API interactions.

Image steganography **[Python, OpenCV, PIL, Jupyter Notebook]:** Implemented image steganography techniques using Python, OpenCV, PIL, and Jupyter Notebook. Leveraging OpenCV for image handling and pixel-level access, and PIL for additional image-related tasks, the project effectively concealed secret data within images through techniques such as LSB embedding. Jupyter Notebook provided an interactive coding and visualization environment, enhancing the development process. This project not only expanded proficiency in Python but also deepened expertise in image processing and data security techniques.

Jadloc **[Flutter, Dart, C++, Ruby]:** JADLOC is a security-focused password manager, developed using Flutter to ensure compatibility across multiple platforms. The system employs XSalsa20-Poly1305 encryption, safeguarding both data and the on-device database. Efficient MsgPack data serialization maintains a compact database for swift disk operations. The user interface is user-friendly and responsive, with Android autofill support. This project utilizes Dart for application logic, C++ for performance enhancements, and Ruby for utility functions, resulting in a versatile password management solution.

Indian Equity Tracker**[JavaScript, Node.js, Rest API]:** The INDIAN EQUITY TRACKER is a project that involves the development of an NPM package. This package is designed to fetch data from both the Bombay Stock Exchange (BSE) and the National Stock Exchange (NSE) and provides a convenient API for accessing this financial data. The technology stack employed for this project includes JavaScript, Node.js, and Rest API, making it a valuable tool for tracking and accessing Indian equity data.