

Mudit Bhardwaj

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EDUCATION

Jaypee Institute of Information Technology

Bachelor of Technology in Computer Science

Noida, Uttar Pradesh

July 2023 - Present

Shaheed Rajpal DAV Public School

Class XII – CBSE

Dayanand Vihar, Delhi

June 2023

EXPERIENCE

Full Stack Developer

WebAppetize Technologies

Dec. 2023 – Feb. 2024

Remote Job

- Contributed to web application projects, focusing on frontend and backend development.
- Developed a UI from scratch using Next.js and TailwindCss
- Implemented API endpoints in Node.js using Expressjs

PROJECTS

Purple Archive | [Nextjs](#), [TailwindCss](#), [Docker](#), [JWT](#), [Notion API](#) | [Live Site](#)

- A password protected blog site.
- Utilized Next.js middleware and serverless functions to handle backend API requests.
- Secured a private blog site using JWT authentication, ensuring only authorized users could access content.
- Implemented Incremental Static Regeneration (ISR) to optimize page load times and ensuring the content is up-to-date.
- Utilized the Notion API as a headless CMS to manage all website content.
- Developed the frontend application using Tailwind CSS and custom styling.
- Used Docker for consistent development and deployment environments.

BynxDB | [Golang](#) | [Github](#)

- A minimal database from scratch using Go.
- Implemented data persistence and disk writes, developing a Data Access Layer (DAL) to manage on-disk data storage and retrieval.
- Enforced table schema constraints, including primary key, data types, and unique column constraints.
- Implemented B-Tree for indexing, resulting in significantly faster query times on unique columns.
- Implemented an auto-balancing algorithm to maintain balanced B-Tree indexes.
- Enabled point and range query functionality within the database.

Enigma | [Golang](#) | [Github](#)

- Simulation for the cipher device developed and used in the early to mid 20th century
- Command-Line Interface to encrypt/decrypt the messages given the original factsheet and Rotor initials.
- Designed classes representing:
 - Enigma Machine with attributes like rotors, reflectors, and plugboard.
 - Rotors with configurable wiring and notch positions.

TECHNICAL SKILLS

Platform: GNU/ Linux (deb, arch), Bash

Languages: Golang, JavaScript, C, C++ ,Python

Frameworks/Environments: - Nodejs, ExpressJs, Nextjs ,Reactjs, Tailwindcss, Bootstrap

Developer Tools: Git, VS Code, Postman

Storage: SQLite3,MySQL ,Mongodb

Tools/Services: Severless Functions, APIs, Docker