AYUSH RAY

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Leetcode | Codeforces | Codechef | AtCoder

EDUCATION

Year	Degree / Certificate	Institute	CGPA/%
2020 - 2024	B.Tech in Electronics & Communication Eng.	National Institute of Technology, Durgapur	8.29
2019	Class 12 (CBSE)	Kendriya Vidyalaya Command Hospital	86.4%

TECHNICAL SKILLS

Languages : C, C++, Python, CSS/HTML   **Operating Systems** : Windows, Linux
Tools & Framework/APIs: REST API, WebSocket API, Git, Django, MATLAB
Courses : Data Structures and Algorithm, OOP's, Statistics & Probability, DBMS, Operating System
Cloud Technology : Amazon Web Services (AWS) - Lambda Functions, API Gateway, DynamoDB.

WORK EXPERIENCE

Hybrique | Software Developer Intern (Remote)   Aug 2023 - Nov 2023
- **Amazon Web Services (AWS) Proficiency,** Deployed Lambda Functions using Python, to manage server side operations, handle API Operations and integrated DynamoDB.
- **Worked on API Gateway**, as managed REST API, WebSocket API and simplified API requests, which reduced network latency and enhanced response rate by 15%.
- API security: Utilize robust cryptography—blend **asymmetric and symmetric encryption** for data integrity, confidentiality, and authentication in API requests, enhancing protection.

Swiss Re | Data Engineer Intern (Bengaluru, India)   July 2023
- Worked with Master Data Management Team, specializing in Oracle Database management, created SQL commands to create views for different business units.
- Collaborated within the MDM's Backend Team to manage APIs and enhance functionality using Spring Boot and wrote multiple Unit cases for testing using JUnit.

PractWorks | Python Developer Intern (Remote)   April 2023 - May 2023
- Managed **LaTeX** operations and developed user-interactive Mathematical questions using **Python**, including the creation of interactive interfaces for input and immediate feedback.
- Proficient in TeX Live and MikTeX libraries & collaborated with other developers, and UI designers.

PROJECTS

Shopper's Shop - (*Github*) - Django, HTML, CSS, Bootstrap, Javascript
- Developed an e-commerce website to sell various goods like electronics, fashion wears, etc.
- Ensured 0% transaction failure through payment gateway and ensured 24/7 web-based payment.
- The development of Shopper's Shop followed the Object-Oriented Methodology to enhance code structure, maintainability, and scalability.

Prompt Response System - Link - (*Github*) - Nest JS, Typescript, Javascript, Handlebars, ClickHouse DB
- Integrated Chat GPT's prompt response feature using **OpenAI API key**.
- Oversaw dashboard maintenance, storing latency data and token management in **ClickHouse database**.
- Developed visualizations with Chart.js and Handlebars in Typescript for key metrics analysis

Library Management System - (*Github*) - Django, HTML, CSS, Bootstrap
- Helps to keep track of books issued and available books, using User Authentication..

ACCOMPLISHMENTS

- Secured **All India Rank (AIR) 23,787** in **JEE Main, 2020** among 1.3 million applicants.
- Selected as one of 500 participants for the **Prime Minister Scholarship**, based on academic success.
- Active participant in Codeforces contests with highest rating achieved being **1262 (Pupil)**.
- Qualified for **Semi Finals** in **TCS Codevita** 2022..