

UDAYAN BANIK

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Education

Tripura Institute of Technology

Bachelor of Technology in Computer Science

2018 – 2022

CGPA - 9.03

Experience

Capgemini (Internship)

Jan 2022 – April 2022

Software Analyst Trainee

Remote

- Technological stack: **C#, .Net Core, Entity Framework, Swagger UI, Angular, UML**
- Developed a hotel management system to migrate the management from traditional to digital system.
- Followed **MVC architecture** for design along with **Repository pattern** and utilized **Figma** for designing the mock-ups.

Projects

CodeMeds(A performance-version of CoWin) || [Live Project](#)

May 2021

- Technological stack: **HTML, CSS, Vanilla JavaScript, d3.js**
- A web app to search and check for **vaccine availability, covid statistics, download vaccination certificate** for user input parameters.
- Developed a **proprietary file downloader** with **Vanilla JavaScript** for downloading **Vaccination certificate** issued by **Govt. of India**.
- **d3.js** is used for rendering a statistics based map of India.
- A very light-weight website which can load in even 2g networks without any lag.
- **Progressive Web App support** (Lighthouse Score 94).
- Used **SubtleCrypto.encrypt()** to encrypt the OTP into **SHA-256** for **OTP validation**.

Music streaming App with Recommendation system

June 2021

- Technological stack: **React, Node.js, Express.js, Python, Spotify API, Spotipy, Matplotlib, SkLearn**
- A music streaming app that let's users play any song from the **Spotify API**.
- **Axios** for processing the HTTP requests and **Spotify oAuth** for user authentication.
- Performed exploratory data analysis on a dataset of **150k** songs from the **Spotify database**.

URL Shortener Application || [Live Project](#)

July 2021

- Technological stack: **EJS, Node.js, Express.js**
- Designed a simple url shortener system using **JavaScript** to simulate the common functions of using an url shortener.
- Developed a feature to track the no. of clicks per link.

Technical Skills

Languages: C++, C, C#, Python

Web Technologies: HTML, CSS, Javascript, PHP

Framework/Libraries: React, Angular 2+, Express.js, Node, .Net Core

Databases: MongoDB, MySQL

Tools/Technologies: VS Code, Vim, Git, Linux, MS SQL Server, Visual Studio, Figma

Certifications

Introduction to Quantum Computing

Oct. 2020 – May 2021

Sponsored by IBM Quantum

- Selected among **7,500** students from **125 countries**.
- Learned skills in quantum mechanics, quantum computation, quantum algorithms and even ran code on a real quantum computer.
- Partnered with **IBM Quantum** and taught by **MIT** and **Oxford** quantum researchers.

Coding Platform Profiles

Leetcode(150+ problems)