

UDAYAN BANIK

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Education

Tripura Institute of Technology

Bachelor of Technology in Computer Science

2018 – 2022

CGPA - 9.03

Experience

Capgemini

Software Analyst Trainee

Jan 2022 – April 2022

Remote

- Technological stack: **C#, .Net Core, Entity Framework, Swagger UI, Angular**
- 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.
- Developed both **HLD** and **LLD** documents and implemented best practices involved in design.

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.
- Used **CSS** and **Vanilla JavaScript** for the front-end design and functionality and **d3.js** for the rendering the Indian map with statistics on stats page.
- **Progressive Web App support.**
- Used **SubtleCrypto.encrypt()** to encrypt the OTP into **SHA-256** for **OTP validation**.

URL Shortener Application || [Source Code](#)

July 2021

- Technological stack: **EJS, NodeJS**
- Designed a simple url shortener system using **JavaScript** to simulate the common functions of using an url shortener.
- Implemented **CRUD** operations for making, updating and deleting shortened urls and their redirections.
- Utilized **MongoDB** for the database.

Technical Skills

Languages: C++, C, C#

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.

NDG Linux Unhatched

December 2020

Cisco Networking Academy

- Obtained the **Linux** knowledge covered by **CompTIA A+ Certification**.

Hackerrank Problem Solving(Basic)

July 2020

Hackerrank

Coding Platform Profiles

Leetcode