Soumyanil Das

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EDUCATION

Haldia Institute of Tehcnology CGPA - 9.33
Bachelor of Technology in Information Technology *Sep. 2020 – Present*

PROJECTS (MOST OTHER PROJECTS ARE LISTED ON MY WEBSITE)

Video Conference Application | *Nodejs, WebRTC, Sockets, Express* [Link](#)
- Built a clone of gogle meet in Nodejs using Express
- Facilitated the transfer of video media through WebRTC
- Created different rooms for meetings using web sockets by sockets.io
- Implemented mic on/off and Video on/off using vanilla JS

Chat Application | *Nodejs, Express, Web Sockets* [Link](#)
- Developed a chat application with real time communication using web sockets
- Implemented various rooms to chat using room of web sockets
- Wrote a smooth UI for visual elegance

Daily planner API | *Nodejs, Express, Redis, Cron job, Web push notifications* [Link](#)
- Developed an API to remind users of daily tasks
- Implemented push notification using node cron and web-push module
- Wrote a quote generator module to motivate users at particular intervals

E Commerce Site | *Javascript, Nodejs, MongoDB, Git* [Link](#)
- Developed a full stack E commerce site with a fully functional backend
- Built seperate user flows for both sellers and buyers using different models
- Developed the backend according to the MVC architecture
- Used MongoDB to store user data and custom written authentication module to check users

Image selling API | *Nodejs, Express, SQLite, Encryption, Discord* [Link](#)
- Developed an API for users to sell their images
- Implemented various routes for users to get all products and a particular product and also to create a product
- Wrote an inbuilt authentication module to authenticate users using email and encrypted passwords
- Integrated discord and stripe for notifications and smooth checkout

Social Media API | *Nodejs, Express, Encryption, MongoDB, Socket.io* [Link](#)
- Developed an API for any social media frontend
- Implemented various routes for users to get feed and a particular post and also to create a post
- Wrote an inbuilt authentication module to authenticate users using email and encrypted passwords
- Implemented clean user and post models for further features

vControl | *Python, hashlib, zlib* | [Link](#)
- Developed a fully functional version control system based on Git's architecture
- Used hashlib to use SHA-1 to compute hashes used in file and folder names
- Implemented major Git commands including checkout, init, commit etc.

Text Editor | *C, termios, Stdlib, Git* | [Link](#)
- Developing a Vim style CLI based text editor
- Added functionalities of Page Up/Down, End, Home keys
- Implemented vertical and horizontal scroll with cursor

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, GoLang, Rust
Frameworks: React, Node.js, Django, Gin
Developer Tools: Git, VS Code, Visual Studio, Vim
Libraries: termios

EXTRACURRICULAR ACTIVITIES

Lead Photographer - The HIT Times June 2021 - Present
- As a lead photographer, extensive covered the cultural and technical fest of our college
- Was in charge of the Annual Cultural Meet held in our college for the latest edition