Subhanu Sankar Roy

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EDUCATION

Vellore Institute of Technology, Vellore, Tamil Nadu, India.   **Expected Graduation: June 2024**
Bachelor of Technology **Information Technology**. CGPA 8.42 (till 6th sem)

SKILLS

- **Computer Languages** – Javascript, Typescript, C/C++, Java, Python, HTML, CSS, PhP
- **Most experienced in** – Full Stack Web Development, Frontend Development, **AWS (Cloud Practioner Certified)**
- **Frameworks/Tools**: ReactJS, Redux, Django, FastAPI, NextJS, Tailwind CSS, AWS, GitHub, Jira, Slack
- **Soft Skills** – Communication, Leadership, Analytical Thinking, Teamwork, Problem Solving
- **Data Structures & Algorithms**: in C++, solved 200+ quality problems on Leetcode, 1400+ on Codechef
- **Databases**: MongoDb, SQL, PostgresSQL, SQLite, Firebase

WORK EXPERIENCE

Software Engineer Intern – Quinn   May 2023 – June 2023
Remote, India

- **Designing** and **developing** a data-heavy, production level SaaS analytics tool, collaborating with Product Manager
- Developing the frontend using **Redux, ReactJS and TailwindCSS** and backend using **NodeTS, Express, Prisma.**
- Writing **clean and easily maintainable code** with a focus on reliability and scalability using editor and prototyping tools

Software Development Intern – TIFAC Lab VIT   April 2023 – May 2023
Remote, India and Vellore, Tamil Nadu, India

- **Designing and developing** production level commercial projects which VIT takes with clients including hospitals, clinics etc
- Developing a full fledged management system with **CRUD of multiple models** using **Redux, ReactJS and TailwindCSS**
- Implementing **clean coding** practices and folder structure, maintaining servers, CI/CD pipeline using Git

Cyber Security Product Developer Intern - SecLogic Ltd   May 2021 – Feb 2022
Remote, India

- Developed the **front-end** of one of their flagship product ORO in ReactJS, as per UI on Figma
- Worked on **production level issues** and fixing bugs, which **reduced loading time by 20%**
- Learning and working with **different JS libraries** like Amcharts, Material UI, etc, which **improved code structure** and quality.

Technical Head – VITrendz Student Community, Largest in VIT   March 2021 – Aug 2022
Vellore, Tamil Nadu, India

- **Managing the entire life cycle of all the projects** made on vitrendz.com, from the design till the marketing.
- Exponentially increasing revenue generation through strategic placement of ads on services.
- Lead developer of flagship project FFCS Planner, which is **used every semester by 15k+ college students**.

TOP PROJECTS

SkillEase – Conversational AI Portal to find/create jobs, courses, sessions - SkillEase   February 2023

- 2 User types: Seeker can converse using **voice recognition** with **GPT 3.5-powered AI** to find courses, jobs, mentors.
- **AI creates the job posting, course structure, mentor description** from details given by Contributor, in **just 1 click**.
- Made using **React, React Redux** (State Management), **React Router, Tailwind CSS, Framer Motion**

Fully Flexible Credit System Planner – FFCS Planner   November 2021

- A single page web app made in **ReactJS** and **TailwindCSS**, optimized to handle **3k+ concurrent** users on site.
- Overall **used by 30k+ students** in college. Helps VITians make their timetable by choosing desired course, faculty, time.
- USP is one of a kind feature that generates **all possible timetables** as per chosen courses and time, using a **3D pathfinding algorithm**.

Vokal - Helping the mute to speak - VOKAL Live   October 2021

- A web app that **combines the powers of gesture recognition and speech-to-text** ML models.
- Anyone can use **any of the recognized gestures** and get their own **voice instantly generated** in their desired **gender**.
- Built using **ReactJS, Tailwind** and gesture recognition model made using **TensorflowJS**..

LibMan (Library Management System) - LibMan   Oct 2022

- Admin can **CRUD books**, and User can **issue and return books** which alters number of book copies
- Admin-Customer register, authentication, login with restrictions using decorators
- Made using **Django, Python**

ACHIEVEMENTS

- **HackRx 3.0 National First Runner Up organised by Bajaj Finserv,** out of 1000+ teams (Team of 2)
- **Winner** of IEEE-Women In Engineering hackathon WeHack 2022 powered by **Honeywell** (Team of 2) out of 500+ teams
- **SAWO Labs Track winner** at Hack This Fall 2021 out of **4500+ students.**
- Qualified in **Top 50 out of 18,000+** applications in **Samsung Solve For Tomorrow 2022**
- Qualified in **Top 100 out of 10000+** students in **International Level SmartIDEAthon** 2023