

ANIKET RAJ

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EXPERIENCE

Software Trainee Engineer

March 2024 - Present

Stuam Technologies Ltd. (Formerly Innovation Communication Systems), Hyderabad
Client: ITI Limited

- Developed a Node.js server integrating **web, serial, UDP, and Telnet communication protocols**, enabling **efficient data exchange** between web clients, hardware, and remote servers. **Reduced response time by 20%**, improving the speed of interaction across platforms.
- Implemented **real-time communication** using **Socket.IO**, enabling **bidirectional data exchange** between web clients and the server. Configured serial ports with **SerialPort** to interface with hardware, ensuring **99% data accuracy** and reducing hardware interaction latency, which improved user response times.
- Developed a **Customer Programming Software (CPS) tool** using **Python and PyQt5** to configure and manage **two-way radios**, supporting **over 100 unique configurations**. added features like **channel and frequency customization** and **binary data flashing**, which increased flashing speed by 30%.

Software Engineer Intern

sept 2023 - feb 2024

Stuam Technologies Ltd, Hyderabad

- Worked on **React** projects in developing UI, creating components and implementing responsive layouts. Developed skills in **state management** (using Context API), **component lifecycle** and **React hooks** .
- Implemented **Sip Calling** functionalities for seamless communication between systems and sitara processors using the PJSIP library and leveraged ALSA for audio application development.

EDUCATION

Heritage Institute Of Technology, Kolkata

2019 - 2023

B.Tech in Computer Science & Engineering
CGPA: 8.27

Sainik School Nagrota, Jammu

2011 - 2018

CGPA: 10 in Class 10 and 84% in class 12

PROJECTS

Techbook: A Book Ordering Platform

A React web application for ordering tech books where users can explore book collections, add items to their cart, place orders, and proceed to checkout. It features a responsive design and utilizes React Router for navigation. used react, html, css and react router. [project live link](#)

Crypto-Xpress: A Cryptocurrency Tracker Application

A Cryptocurrency Tracker Application that allows users to sign up, log in, and track real-time cryptocurrency prices, market cap and much more. used google firebase for login and authentication purposes, ChartJs for interactive charts, React Router and Coin gecko API for fetching coin data. [project live link](#)

TECHNICAL SKILLS

Languages	C, C++, Python, JavaScript
Web Development	HTML, CSS, JavaScript, React.js, Node.js, Django
Databases	MySQL, MongoDB
Course Work	Data Structures and Algorithms, Computer Network, Operating System, DBMS

CODING PROFILE

- solved 500+ question on various platforms including Leetcode and geeksforgeeks
- 5 star rated on hackerank [hackerrank/Aniket3577](https://www.hackerrank.com/Aniket3577)
- Leetcode :[leetcode/Aniket3577](https://leetcode.com/Aniket3577)
- Geeksforgeeks :[fgf/Aniket3577](https://www.geeksforgeeks.com/Aniket3577)