ANUSMITA KUNDU

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Education

St. Thomas' College of Engineering and Technology   **2020 − 2024**
B. Tech in Electronics and Communication Engineering — CGPA: 9.16(till 6th sem)   *Kolkata, West Bengal*

Projects

iNoteBook | *React, Node.js, Express.js, Tailwindcss, Framer Motion, MongoDB, REST API*   **Personal Project − 2024**

- Developed responsive layout and user-friendly interface using React, React-Bootstrap,Tailwindcss and Framer Motion for efficient note creation, editing, and organization.
- Implemented a robust server-side with Node.js, Express.js, ensuring high performance and seamless API request handling.
- Utilized MongoDB for flexible and scalable storage of user-generated content with a focus on adapting to evolving data structures.
- Implemented JWT authentication to prioritize security, allowing only authorized users to access and modify their notes.
- Incorporated a RESTful API architecture for easy integration with other applications and services.

Analysis of CMOS device using ANN | *LTspice, Python, Keras, Tensorflow*   **Final Year Project − 2024**

- Developed and vigorously trained and tested ANN model for analysis of CMOS circuits, enhancing performance prediction and optimization using Python and its libraries.
- Maximum accuracy is obtained between measured data and proposed model results under different bias conditions over various frequency range.

JOBSEE | *ReactJs, NodeJs, ExpressJs, MongoDB, Fetch API*   **Group project − 2024**

- Pioneered a full stack project which aims to enhance job seekers' efficiency and continuously monitors various company career portals, notifying users of new job vacancies that match their preferences.
- Implemented CRUD operations using MongoDB for database, Express.js for server-side, React.js for front-end, Node.js for server runtime, and integrated third-party APIs to generate real time data of job vacancies.

GESTURE BASED HOME AUTOMATION SYSTEM | *ArduinoIDE, Gesture Sensor*   **Group project − 2023**

- Automation of Home Appliances using Arduino UNO, Gesture Sensor, seven-segment display.
- Revolutionised traditional control interfaces to modern contactless, intuitive gesture recognition interface and accessible to individuals with mobility impairments.

Technical Skills

Web Development Skills : HTML, CSS, Javascript, React, Express.js, Node.js, REST API
Languages : C++, Python, Java, C
Databases : RDBMS, MySQL, MongoDB
Coursework : Cloud Computing, Data Structures, Machine Learning, Object Oriented Programming

Experience/Trainings

Rothian   **Jan 2023 - July 2023**
Project Intern   *Remote*

- Collaborated on low-code software development projects, using Microsoft PowerBI and SharePoint for seamless collaboration and data visualization while conducting quality assurance and SEO checks with ahrefs.com, emphasizing attention to detail and effective communication within cross-functional teams.

BSNL   **9 Jan 2023 - 23 Jan 2023**
Industrial Training   *Kalyani, West Bengal*

- Completed 2 weeks Vocational Training on Basic Telecom Technology.

Extracurricular

- Awarded for being a Winning participant in Inter-departmental **Table Tennis Tournament** in my 2nd year
- Awarded for being a Finalist in Inter-departmental **Badminton Tournament** in my 3rd year
- Appointed as the Growth Manager of **PrepInsta**