

Sagnik Santra

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EXPERIENCE

- Freelance** Remote
 - SDE Intern* June 2023 - Aug 2023
 - Product:** Fantasy Gaming Platform
 - : Developing the website from scratch, handling frontend coding using React and implementing APIs for seamless functionality.
 - : Utilized MongoDB and Express for the backend, ensuring efficient data management and integrity
 - Technologies Used:** MongoDB, Express, React, Redux, Tailwind, NodeJS, Typescript
- ECell MIT Manipal** Manipal
 - Web Developer* Dec 2022 - Feb 2023
 - : Created the official website for Manipal Entrepreneurship Summit 2023, attracting over **5000+** users.
 - Technologies Used:** MongoDB, Express, React, NodeJS

POSITIONS OF RESPONSIBILITY

- International Delegate - HPAIR:** Selected as a prestigious delegate representing the **Harvard College Project for Asian and International Relations** at the Asia Conference in Hong Kong.
- Executive - ECell MIT:** Organized online and offline technical training for **100+** students, contributing to their skill development. Played a pivotal role in successfully conducting MES 2023, one of the largest Entrepreneurship Summits in Southern India. Developed the event registration website from scratch, streamlining the registration process.
- Management Committee Member - IECSE:** Explored web development and machine learning at a core level, driving innovation and collaboration. Provided guidance and assistance to fellow members in the field of machine learning.
- Management Committee Member - RedX Manipal:** Managed a community of **200+** members, focused on providing aid to underprivileged people in society. Conceptualized and developed the organization's website from scratch, effectively showcasing its vision and initiatives. ([link to website](#))

PROJECTS

- PrelovedPages (Web Development, Full Stack Deployment, Monorepo, Typescript, MERN, Zod, Recoil):** (Work in progress) Second hand book selling platform with buyer and seller portal. The website is written in *Typescript* and *React* is used for frontend. The books and user details will be stored in *MongoDB*. *Zod* is used for validation, *Recoil* for state managements. ([link to project](#))
- AlooQ (CNN, FastAPI, TFServing, React, Image Detection and Classification):** Designed a web application for disease detection in potato leaves (early blight and late blight) by analyzing leaf images using deep learning techniques. Deployed the model using *TFServing* and employed a *FastAPI* server with *uvicorn* for seamless functionality. The model is trained using *Convolutional Neural Networks* ([link to project](#))
- W-Connect (ML, Web Development, NextJS, Women Empowerment):** Pioneered the creation of W-Connect, an impactful application fostering women empowerment by matching mentors with mentees based on shared preferences and requirements.
 - Developed the website using *NextJS*, with user data and preferences efficiently stored in *Firebase*.
 - Prioritized user experience with a responsive design, enabling easy access from various devices. ([link to project](#))
- MES 2023 Website (Full Stack Deployment, MERN, UI/UX):** Spearheaded the end-to-end development of MES 2023's website, showcasing event details and schedules with a user-friendly interface.
 - Implemented Registration and Login features, empowering users to easily sign up for their preferred events, with data storage in *MongoDB* for seamless management.
 - Ensured cross-device compatibility with a responsive design, optimizing user experience across all platforms ([link to project](#))

SKILLS

- Technical:** C++(Advanced), C(Advanced), Python(Intermediate), Pandas(Intermediate), HTML5/CSS(Intermediate), Oracle SQL(Intermediate), Java(Intermediate), JavaScript(Intermediate)
- Soft Skills:** Project Management, Leadership, Verbal and Written Communication, Teamwork, Creativity
- Coursework:** Web Development Bootcamp by Angela Yu (Udemy), Introduction to Machine Learning by Andrew NG (Coursera), Frontend Development Specialization by META (Cousera) , Data Structures and Algorithms (Coding Ninjas)

ACHIEVEMENTS

- Secured **1st** position under W20 category out of **200+** participants and in the APPLab Hackathon conducted by MAHE Innovation Centre for making the W-Connect web app
- Recipient of the **AICTE** scholarship for my Engineering Education

EDUCATION

- Manipal Institute of Technology** Manipal, India
 - Bachelor of Technology - Data Science and Engineering* Graduating 2025
 - Courses:** Data Structures, Algorithms, Database Management, Computer Structures and Architecture, Computer Networking, Object Oriented Programming, Machine Learning
- Vivekananda Mission School** Kolkata, India
 - Courses:** Physics, Chemistry, Mathematics, Computer Science