

Diptayan Jash

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EDUCATION

St. Paul's Academy

ISCE, ISC

Burdwan, West Bengal

March. 2011 – June 2022

SRM Institute of Science and Technology

B.tech in Computer Science and Engineering

Chennai, India

Sept. 2022 – Present

EXPERIENCE

Intern

Indian Institute of Technology Madras

June 2023 – July 2023

Chennai, India

- Developing a MQTT system on Tiva C series Micro controllers for 5G TestBed
- Developed a full-stack web application using ReactJS and python flask to get data from Micro controller to a Web page
- Explored ways to Filter and clean data from the micro controller

SPACED Engineer

SRM Team Robocon

Dec. 2022 – Present

Chennai, India

- Worked with various robotics Parts
- Assess and troubleshoot Arduino problems, solved robocon 2023 problem statement
- Built Robots and others IoT devices based on Arduino, ESP32, Raspberry pi etc

PROJECTS

Portfolio | React, Node js, Tailwind CSS

June 2020 – Present

- Developed a Portfolio web application using Tailwind CSS and React as the front-end

Workshop Website | React, Node js, Tailwind CSS, Firebase

September 2023 – October 2023

- Visit website: altium-microsite.vercel.app
- Developed a Altium Workshop website using Tailwind CSS and React as the front-end, database on Firebase

Chat Application | Java, swing

August 2023 – Present

- Visit Project: GitHub
- Developed a cross platform chat application using Java and its libraries.
- Multiple Clients, User Authentication, Backend support, Java Swing

LingoFlow | Python, Pytorch, Tensorflow, React, Tailwind, Chakra UI, Flask, AWS

September 2023 – Present

- Visit Project: GitHub
- Smart India Hackathon College Finalist
- Translate English to Hindi seamlessly respecting regional dialects and religion sentiments

Robocon 2023 | Arduino, Raspberry pi, Raspberry pico

Dec 2022 – June 2023

- Developed the Rabbit Robot(RR) for the 2023 problem statement in ABU Robocon
- Implemented Inverse Kinematics in the drive of the robot
- Implemented radio protocol via the NRF module for the communication between bot and the controller

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Embedded C, JavaScript, HTML/CSS,

Frameworks: React, Node.js, Flask, WordPress

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib

Creatives: Photoshop, Lightroom, Premiere Pro, Figma, Canva