

DIPTAYAN JASH

+91-9474182596

djdiptayan1@gmail.com

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djdiptayan1

djdiptayan.in

EDUCATION

St. Paul's Academy

ISCE, ISC

SRM Institute of Science and Technology

B.Tech in Computer Science and Engineering

Burdwan, West Bengal

Mar. 2011 – June 2022

Chennai, India

Sept. 2022 – Present

EXPERIENCE

Samsung, India

Prism R&D Intern

Nov 2023 - Present

Remote

- Image Duplication Evaluation: Evaluated various methods, including Hash algorithms.
- Customized Filtering Script Development: Developed a precise script for accurate image duplication filtering.
- Open Source Script Classification: Categorized scripts based on effectiveness.

IIT Madras

Summer Intern

June 2023 – July 2023

Chennai, India

- Established MQTT client for real-time sensor data transfer, improving communication efficiency.
- Developed full-stack web application using ReactJS and Python Flask for data visualization.
- Programmed microcontroller boards (TIVA TM4C1294NCPDT) for sensor data acquisition and processing.

SRM Team Robocon

Embedded Programmer

Dec. 2022 – Present

College Club

- Lead role in programming robots for DD ROBOCON Competition.
- Troubleshoot Arduino issues, solving robocon 2023 problem statement.
- Designed and built robots and IoT devices using Arduino, ESP32, Raspberry Pi, etc.

PROJECTS

Altium Workshop | React, Node.js, Tailwind CSS, Firebase

- Developed Altium Workshop website with React, Tailwind CSS, and Firebase.

Sept. 2023 – Oct. 2023

Chatter | Java, Swing

- Developed cross-platform chat application using Java and Swing.
- Implemented features like multiple clients, user authentication, and backend support.

Aug. 2023 – Present

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

- Smart India Hackathon College Finalist.
- Translated English to Hindi, respecting regional dialects and religious sentiments.

Sept. 2023 – Dec. 2023

Robocon 2023 | Arduino, Raspberry Pi, Raspberry Pico, C++, Python

- Developed Rabbit Robot for 2023 problem statement in ABU Robocon.
- Implemented Inverse Kinematics and radio protocol via NRF module for communication.

Dec. 2022 – June 2023

SKILLS

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

Frameworks: React, Node.js, Flask, WordPress, NLTK, Keras

Tools: Git, Docker, GCP, VS Code, PyCharm, IntelliJ, Eclipse

Libraries: Pandas, NumPy, Matplotlib

Soft Skills: Leadership, Event Management, Writing, Public Speaking, Time Management

ACHIEVEMENTS

Smart India Hackathon (SIH) Finalist: Successfully advanced to the finals of SIH, securing the second position out of 500+ participants.

Robocon' 23 Accolades: Achieved an impressive 11th position among 110 participating colleges in Robocon' 23. Awarded the Fusion 360 recognition for outstanding contributions.

IIT Madras Summer Research Internship: Selected as one of the 20 students from a pool of 100+ applicants for a prestigious Summer Research Internship at IIT Madras.

COURSES & CERTIFICATIONS

Stanford Online: Supervised Machine Learning: Machine Learning

Google: Crash Course on Python: Python

Johns Hopkins University: HTML, CSS, and Javascript for Web Developers: HTML, CSS, JS

AWS: Machine Learning Foundations: AWS, ML, Cloud

MathWorks: Image Processing Onramp: ML, OpenCV, Images