

WORK EXPERIENCE

Technology Architect

Accenture Japan

01/2021 - 05/2022

Tokyo, Japan

Achievements/Tasks

- Designed a complete Proof of Architecture using Java and Angular to integrate **Blockchain Transparent Supply** solution with Digital IoT platform
- Created APIs using Java to connect a web application with a Blockchain backend
- Built a batch program that stores the latest updates from Blockchain Transparent Supply into SQL database to serve as a primary database using the **Spring Batch framework**.
- Implemented Spring backend services and managed SQL and NoSql databases for a complete supply chain monitoring and management system.
- Prepared for AZ-303 **Azure Architecture Technologies** Exam and implemented multiple Resource group.

Machine Learning Internship

Société Générale, Bangalore, India

05/2019 - 07/2019

Bangalore, India

Achievements/Tasks

- Designed machine learning algorithm to classify stray images (like logos, social handles etc.) received in the mail which had to be manually weeded out before storing in the application. The model (K Nearest Neighbour) delivered 100% accuracy for document classification.
- Designed image processing algorithm to automatically extract signatures from the financial documents which resulted in a reduction of human effort and the manual interventions that were in place. The algorithm was robust and could recognize even resized signatures.
- Optimized all the code written in Python to be memory efficient and time optimized which resulted in 10% savings in infrastructure costs.

Product Development

AgNext Technologies Pvt. Ltd,

05/2018 - 07/2018

Kharagpur, India

Achievements/Tasks

- Build an autonomous ground bot for navigating in a greenhouse and measuring soil moisture and nutrient content using computer vision technique. Suggested modifications to existent testing methods and developed generic test hardware, for measurement and reading.
- Designed a portable hardware kit, for on-field mass testing.

B.Tech Thesis Project

Department of Electrical Engineering (I.I.T Kharagpur)

01/2018 - 04/2019

Achievements/Tasks

- Auto Balanced a De-Sauty Bridge by designing a microcontroller based close loop configuration to measure differential capacitance.
- The designed system is robust, for which the percentage relative error comes out to be less than 1.5% and shows linear characteristics.

SKILLS

Languages: • Java • C • C++ • JavaScript • SQL • Python • CSS • Algorithms • HTML

Software & Tools : • Spring Boot • Angular Framework • Azure Resource Groups • Docker • Swagger • APIM • AKS

COURSEWORK

Programming and Data Structure | Image Processing

Soft Computing tools in Engineering | Machine Learning

Linear Algebra | Computer Architecture and Operating System

ACHIEVEMENTS

- Received Department change for being among the top 1 % of first-year batch [2016] at IIT Kharagpur.
- Recipient of Inspire Scholarship at Indian Institute of Technology Kharagpur at the end of first year.
- Recipient of MCM Scholarship at Indian Institute of Technology Kharagpur at the second year.
- Awarded Pratibha Puraskar from Sanmargh for exemplary performance in Hindi literature and language.
- Ranked amongst top 2.7% of 2 lakh students appearing for Joint Entrance Examination Advanced 2016.

LANGUAGES

Hindi

Professional Working Proficiency

English

Full Professional Proficiency

Japanese

Limited Working Proficiency

Bengali

Limited Working Proficiency

CERTIFICATIONS

- Represented district Howrah, in under 16 basketball championship organized by committee for state school games and sports.
- Participated in a technical fest of embedded system and robotics in association with Indian Institute of Technology Guwahati.