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Mayurakshya Paul

Computer Engineer Undergraduate

## KEY SKILLS

C C++ Python App Devolpment Html SQL DBMS OOPs concept Computer Networks

## EDUCATION

### B.Tech in Computer Science and Engineering

Jul '19 - Aug '23

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

Chennai

- CGPA: 8.6
- Vice President (Innovation club) - Built for extracting the innovative idea

### Intermediate

Apr '18 - May '19

Kendriya Vidyalaya Sanghathan Silchar

Silchar

- CGPA: 7.4
- School Sports Captain
- Chairman Scouts & Guides

### Matriculate

Apr '18 - May '19

Kendriya Vidyalaya Sanghathan Silchar

Silchar

- CGPA: 9.0
- Chairman Scouts & Guides

## Experience

### AWS AI/ML Internship (Virtual Mode)

JANUARY 2022 – MARCH 2022

Worked on emerging technologies of cloud on AWS platform. Worked on real-time projects

### AWS Cloud Internship (Virtual Mode)

OCTOBER 2021 – DECEMBER 2021

Worked on emerging technologies of cloud on AWS platform. Worked on real-time projects.

## Projects

### Farmer's Elf

A user-friendly website based on ML and Deep learning algorithms which can detect the type of disease in the plant with specified information on type and cure. It could help to get the current market trends of the crops.

### Future Crop Price Prediction

A data analytics-based project to predict the future trends in the prices of various crops. It could also tell the highest profitable crop to grow in real-time. The model is trained using trusted data from data.gov.in.

### Traffic Violation Invigilator

An ml-based project to invigilate the vehicles breaking traffic rules. It reads the vehicle number of the vehicle that violates the rules, the data is stored in the database, later the person can be sent notice for payment of the fine. It can identify helmets and signal breaking.

### Modish Energy Datum using Spread Spectrum Modulation Technology

A smart energy meter model which could reduce manpower. It can read, and send the meter readings (data) to the main office without using the internet, focusing on rural upliftment

### Medi-Care

- Performed root cause analysis via fishbone diagram and identified improvement opportunities to improve efficiency by 25%
- Collaborated with data engineering team of 5 to create 10+ useful plugins for improving user's experience by 22%

A user-friendly website based on ML and Deep learning algorithms can predict the disease with help of symptoms. The website can detect the presence of the COVID virus by taking the X-Ray or CT scan of the lungs.

## Reserch Papers

- Modish Energy Datum using Spread Spectrum Modulation Technology

Published in Confluence 2022, ISBN: 978-1-6654-3701-1