SAYANI MALLICK

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EXPERIENCE

Software Development Intern
Flipkart

📅 June 2022-July 2022

- Worked on project 'Brand Insights Tool: New vs Repeat Customer Metrics' as part of AdTech team
- Created new feature to provide visibility on brand loyalty and customer lifetime on parameters: sales, qppv and rppv
- Used Hadoop, Spark, Crunch and Java.

Software Development Intern
Eclipse Adoptium - Outreachy

📅 May 2021 - August 2021

- Selected as an Outreachy software development intern for Eclipse Adoptium on the project "Simplify and gamify external AQA tests" out of 7000 applicants.
- Completely overhauled the way external tests are run, removing 90% of redundant and repetitive code to enable generic testing.
- Presented work done as part of Outreachy at EclipseCON - the annual conference of Eclipse community
- The technologies used are Java, ant script, shell script, JavaScript and APIs.

Software Developer Intern
Shris Infotech Services Pvt Ltd

📅 July 2021 - August 2021

- Designed mobile application to help people with mental conditions to connect to doctors and therapists to seek help without social stigma.

Web Developer
Practice School Division, BITS Pilani

📅 August 2020 onwards

- Designed and developed web applications like PSD Portal used by nearly 5000 of students and faculties in all the 3 campuses of BITS Pilani in India.

EDUCATION

BE Electronics and Communications Engineering CGPA: 8.04
BITS Pilani KK Birla Goa Campus

📅 Expected Graduation in 2023

All India Senior School Certificate Examination (AISSCE) SCORE: 95.8%
Jawahar Vidya Mandir, Ranchi

📅 2016-2018

Council for the Indian School Certificate Examinations (CISCE) SCORE: 98%
Bishop Westcott Girls' School,Ranchi

📅 2012-2016

State topper in CISCE in Jharkhand. Scored 100/100 in Mathematics and Computer Science.

SKILLS

Machine Learning, Deep Learning, Neural Networks, C++, Python, Java, HTML, CSS, JavaScript,ReactJS, VueJS, Node,MongoDB, REST APIs, Git and Github

PROJECTS

Cryptoversity

- A web application which serves as a one-stop for everything related to cryptocurrencies.
- Built features to send and receive ethereum, view transactions, get information about the top cryptocurrencies and read the latest news about cryptocurrencies.
- Tech stack: ReactJS, Redux Toolkit, RapidAPIs, Solidity

Building IoT system for measuring and analysing ECG data

- Created system for measuring ECG data of patient using AD8232 chip and edge devices.
- Collected and stored data on cloud to be analysed using machine learning on the resource-constrained devices themselves.

Detection of epileptic seizures using deep learning

- Built deep learning model to detect epileptic seizures from EEG signals using 1D Convolutional Neural Networks and Bidirectional RNN on 2, 3, 4 and 5 class classification of EEG signals on Bonn dataset. Achieved improvement in accuracy over existing state-of-art methods

CONFERENCES

EclipseCON 2021

- Presented my Outreachy project "Having fun with testing with Machine Learning and Twitter" to the Eclipse community in their annual conference.

ACHIEVEMENTS

- Selected as one of the 30 VMWare CodeHouse attendees from all over India . VMware CodeHouse is an exclusive, invite-only, multi-day coding experience for a select group of women technologists studying computer science/engineering.
- Volunteered as an Open Source Day Mentor for Eclipse AQAvit and helped about 500+ participants become active contributors to Eclipse AQAvit.
- Selected as a scholar in Google Research Week 2023. Received the opportunity to discuss latest research in the field of artificial intelligence and machine learning with industry professionals and academicians.