

## EDUCATION

Indian Institute of Engineering Science and Technology, Shibpur

2020-2024

- B. Tech. in Information Technology
- CGPA : 9.33/10
- Courses : Data Structures, Probability and Statistics, Machine Learning, Object Oriented Programming, Computer Networks, Databases, Operating Systems, Algorithms, Compiler Design, Deep Learning, Artificial Intelligence

## EXPERIENCE

Software Engineer, Wells Fargo

August, 2024 - Present

Developed tool for fuzz testing of Android and iOS applications - Improved early detection of defects by up to 85%  
Working on production defects trend prediction. Driving innovation initiatives for continuous improvement.

Summer Intern, Wells Fargo

May, 2023 - July, 2023

Led the development of Deep Learning models for mortgage related prediction, optimizing for enhanced accuracy.  
Successfully deployed the model, achieving a 10-fold improvement in response time. Additionally, authored comprehensive test cases for the deployed API to ensure robust functionality and performance.

Scholar, Google Machine Learning Bootcamp, India

August, 2022 - November 2022

Completed the program courses successfully and received the certification with an average score of 98%. Was in the top 5 in the final evaluation contest.

## PROJECTS

- Implementation of [HyperGAN](#) in Pytorch [\[Github\]](#)

July, 2024

Tech: Py-Torch, Python. Implemented a PyTorch-based HyperGAN, adapting the original model from Ratzlaff et al. to explore the generation of diverse, high-performing neural networks. Successfully trained a LeNet architecture using the proposed method, achieving superior performance compared to the standard LeNet.

- Few-Shot Class Incremental Learning for 3D Image Segmentation, IIT Delhi

September-November, 2023

Tech: Py-Torch, Python, Linux. Worked with a research group on Few-Shot Class Incremental Learning for 3D Medical Image Segmentation. Implemented 4 state of the art papers with dice scores more than 0.9 on all of them.

- Apple Stock Price Prediction using RNN-LSTMs [\[Github\]](#)

May, 2022

Tech: Python, TensorFlow, ScikitLearn. Trained Recurrent Neural Networks to predict stock price of Apple.

## SKILLS

- C++, C, Python, Java, Javascript, MySQL, Linux, git, flask, tensorflow, pytorch, Docker, Kubernetes
- SDLC, Data Structures and Algorithms, Machine Learning

## VOLUNTEERING AND OTHER CONTRIBUTIONS

CodeIEST-Coding Club of IEST, Shibpur

- Machine Learning Chapter Lead

November, 2022 - October, 2023

- Taking sessions on DSA and Competitive Programming

January, 2022 - July, 2022

Blog:

- Deriving Naive Bayes' From Scratch [\[medium.com\]](#)

July 2021

## AWARDS AND ACHIEVEMENTS

- Reply Code Challenge (2022): My team secured a world rank of 113 out of 2820 teams.
- Google Hashcode (2022): Secured a world rank of 557 and All India Rank of 82.
- HackNITR 3.0 (2021): Our team won the 1st prize in the Mental Health track
- Reply Code Challenge (2021): My team secured a rank of 336 out of 2990 teams who participated.
- Online Judge Profiles: [Codeforces](#), [Leetcode](#)