

SIDDHARTH

Delhi, India

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Education

Cluster Innovation Center

B.E. in Information Technology & Mathematics

Delhi, India

Nov, 2022 - Present

- **Coursework:** Single & Multivariable Calculus, Discrete Mathematics, Data Structures and Algorithms, OOPS, Linear Algebra, Java, Ordinary Differential Equations, Operating System, Computer System Architecture, Computational Biology
- **Societies & Clubs:** Integral part of Programming, Robotics & Entrepreneurship Club

Indian Institute of Technology Madras

B.S. in Data Science

Online Degree Program

Sep, 2022 - Present

- **Coursework:** Computational Thinking, Mathematics for Machine Learning, Descriptive Statistics, Machine Learning Foundation, Machine Learning Techniques, Python, Business Data Management
- **Societies & Clubs:** Enthusiastic Member of J.I.T.S.E Entrepreneurship Society, J.A.R.V.I.S (ML & Blockchain) Society

Research Projects

RNA Folding Prediction (Current Research):

- Currently engaged in research focused on RNA folding prediction utilizing advanced Deep Learning techniques. This research has the potential to significantly advance our understanding of intricate biological processes.

Disease Prediction Models (ML/DL)

- Developed predictive models for diseases such as diabetes and epilepsy using a combination of Machine Learning (ML) and Deep Learning (DL) techniques. These models were designed to enhance early detection and proactive healthcare management

Facial Recognition Attendance System:

- Engineered an automated attendance system using Python and SQL, integrating facial recognition technology.

Image Compression Analysis with PCA:

- Conducted a comprehensive analysis of image compression methods using PCA and SVD, contributing valuable insights to the field of image processing.

Stock Market Analysis: Stock Prediction using different ML models & Forecasting Financial Crash

- Applied various ML and DL models to predict stock market trends, contributing to data-driven investment strategies.

Professional Experience

W3DEV : IT Consultancy Services

Technical Content Writer

Remote

July 2023 - Sep 2023

- Offers web design insights rooted in customer psychology.
- Specializes in writing for the dynamic micro SaaS landscape and seamless integration with diverse platforms.

IoT Ready

Technical Documentation Writer

Remote

Feb, 2023 - April 2023

- Researched and wrote whitepapers for multiple topics on the Internet of Things (IoT) products, providing clear and concise descriptions of their features, benefits, and use cases.

World Wide Fund for Nature (W.W.F)

Volunteer

Delhi, India

Jan 2023 - March 2023

- Played an Important role in conducting in Winter Bird Census Survey 2023 in Delhi and Nearby Regions.

Technical Skills

Languages and Tools: C, C++, Java, Python, Pytorch, R, Embedded C, Arduino IDE, SQL and Latex

Certification & Courses : Cognitive Robotics, Machine Learning Specialization, Deep Learning Fast AI, Algorithmic Trading and Portfolio Management, Basic Electrical Circuits, Fundamentals of IoT