

Education

Degree / Exam	Institution	CGPA / Percentage	Year
B.Tech	SRM Institute of Science and Technology	8.99 / 10	2021
XII (C.B.S.E)	Delhi Public School	79.2 / 100	2017
X (C.B.S.E)	Delhi Public School	8.8 / 10	2015

Work Experience

REACHA, Remote **Full Stack Web Developer** **June 2020 - July 2020**

Project - Development and deployment of a dynamic website.

- Part of a two member website development team responsible to increase organization global reach.
- Used technologies like **flask** framework in python, **HTML + CSS, Javascript** and **Bootstrap** to develop the website and deployed it using **Amazon Web Services AWS**.
- Live website link - [Reacha](#)

Bharat Electronics, Ghaziabad **Research-Intern** **June 2019 - July 2019**

Project 1 - Building a deep learning model to recognize human activity using mobile phone sensor data.

- Developed a **time series model** with an accuracy of 90% to classify basic human movements like walking, running, standing etc.
- Data collection was done using smartphone sensors like **accelerometer** (acceleration) and **gyroscope** (gravitational force).
- Model built on **keras framework** and data processed using **pandas, numpy** and **scikit-learn**.

Project 2 - Small object Detection using UAV Data.

- To classify different small objects like bunkers, trucks, jeeps from images taken from an **unmanned aerial vehicle (UAV)**.
- Slicing videos into separate frames and annotating various objects in the given frame.

Digimode Solutions LLP, Lucknow **Intern** **December 2018 - January 2019**

Project - Assembly of various static websites.

- Assembled numerous static websites using **WordPress** for clients of the organization.

Projects & Courses

FinROBERTa

- An NLP model built to classify sentiments of financial news headlines using pre-training and fine-tuning.
- We built a model from scratch with our task-specific text corpus and later fine-tuned it on the downstream task dataset.

Skin Disease Classification

- Constructed an image classifier with an accuracy of 85% for distinguishing various skin diseases.
- Performed transfer learning on MobileNet model trained on ImageNet dataset to get enhanced results using Keras framework and deployed on Heroku.
- Project link - [Skin Disease Classification](#).

Courses: Machine Learning (**Stanford University**, Coursera), Python and Statistics for Financial Analysis (**The Hong Kong University of Science and Technology**, Coursera); **IBM Data Science Foundations - Level 1, IBM Data Science Foundations - Level 2 (V2), IBM Principles of Reactive Architecture**.

Technical Skills

Programming Languages - C++ | C | Python | SQL | HTML | JavaScript |
CSS | Java

Frameworks - Flask | Keras | Pandas | Numpy | Matplotlib
| Angular

Accomplishments

- **Chapter Publication** - Chapter co authored by me ' **Using Deep Learning for Image-Based on Plant Disease Detection** ' has been published in **De Gruyter Frontiers in Computational Intelligence, 8 - Internet of Things and Machine Learning in Agriculture**.
- **Paper Publication** - Got an acceptance from **VIT Bhopal ICDACT-Dec 2021** for my research paper abstract titled "**FinRoBERTa: Financial Sentiment Classification by Pre-training**".
- **Reached the final round of Valeo Hackathon** - Cleared the first two rounds and reached the final round of the hackathon, organized by Valeo.
- **SRM International Conference on Internet Of Things** - Presented my research paper "**Machine Learning and Big Data in Smart Farming a Review**", at the Second SRM International Conference on Internet Of Things.
- **Cyware** - A key speaker at a **cyber security** workshop held at SRM I.S.T.

Extra-Curricular Activities

- **Team Member:** Team member of a cyber security club Sector443 at SRM I.S.T.
- **Social Work:** Volunteer at Sarthak Foundation to empower underprivileged children.