



EDUCATION

Dual Degree (B. Tech + M. Tech) in Electronics and Electrical Communication Engineering

CGPA – 8.82/10

Indian Institute of Technology Kharagpur, India

2023

Grade XII, All India Senior School Certificate Examination (CBSE)

Percentage – 95.6%

Jayshree Periwal High School, Jaipur

2018

Grade X, All India Secondary School Examination (CBSE)

CGPA – 10/10

Jayshree Periwal High School, Jaipur

2016

SCHOLASTIC ACHIEVEMENTS

- Secured an All India Rank of **946** out of 2.3 lakh candidates who qualified for JEE Advanced 2018 2018
- Secured a rank among top **0.01%** candidates out of 12 lakh candidates who appeared in JEE Mains 2018 2018
- Awarded fellowship under Kishore Vaigyanik Protsahan Yojana (**KVPY 2016**) by IISc Bangalore 2017

WORK EXPERIENCE

Product Manager | eSaathi

10/2019 – Present

eSaathi is an assistive UI platform for audio-visual assistance to all your technological needs

Inter IIT Tech Meet, IIT Roorkee

- Conceptualized and developed from scratch, an assistive UI app-based SaaS B2B start-up idea **eSaathi** for technical assistance
- Talked with multiple **stakeholders** for idea validation and pitched to multiple **VCs** in various reputed **business competitions**
- Won **gold** in **Inter IIT Tech Meet 8.0** amongst 23 participating IITs in the final pitch presentation of the formulated B-Plan

Active Contributor | Finance Reading Group

01/2020 – Present

Finance Reading Group is a group of finance enthusiasts working on industry-relevant research projects

VGSOM, IIT Kharagpur

- Took campus knowledge sessions on various **trading strategies** like Trend Trading, Mean Reversion Trading, Pairs Trading etc.
- Discussed an exhaustive presentation on a self-developed **credit research analysis** of Adani Ports and Logistics Ltd.
- Solved a **venture capitalist industry** based **financial case** on the probable success or failure of Softbank's Vision Fund 2

PROJECTS

Healthcare Analytics | Rajendra Mishra School of Engineering Entrepreneurship

01/2020 – Present

Advisor – Professor Ram Babu Roy

RMSOE, IIT Kharagpur

- Applied **Long Short-Term Memory (LSTM) RNN** using DL Python library **TensorFlow** for Human Activity Recognition (HAR)
- Achieved an accuracy of **92%** in detecting activities like standing, sitting, walking and jogging using accelerometer data
- Currently working on smoking detection using hand-to-mouth gestures for real time monitoring of a person's smoking habits

Data Extraction and Processing | Vinod Gupta School of Management

09/2019 – 12/2019

Advisor - Professor Abhijeet Chandra

VGSOM, IIT Kharagpur

- Developed a tool to extract and process information about lenders and borrowers from 2500 mortgages and 500 leases
- Achieved an accuracy of **76%** with **decision tree classifier** to assort parsed data according to the fields given in MySQL tables
- Applied parsing algorithms and used libraries like **Pandas** and **NumPy** for converting .pdf files to .xml, .csv and .json formats

COMPETITIONS

Empresario Global BPlan Competition

IBMC United States 02/2020

Won **silver** out of 30 finalists for a technological assistance app-based start-up idea **eSaathi**; organized by Entrepreneurship Cell, IIT Kharagpur in association with **IBMC US**

ME Data Science Challenge

Global Entrepreneurship Summit 02/2020

Modelled from scratch, a decentralised autonomous organization **MeraData**, a **monetized holistic recommendation system** based on a privacy-protected **blockchain**

Creative Shock Case Competition

ISM Lithuania 10/2019

Stood **64** out of 300 participating teams from all over the world on the **financial analysis** of a micro-insurance business and **marketing** of a textile start-up of Lithuania

Open IIT Case Study Competition

IIT Kharagpur 08/2019

Successfully solved a **venture capitalist industry** based **financial case** on the probable success or failure of **Softbank's** Vision Fund 2 due to factors like recession and AI bubble

RELEVANT SKILLS AND COURSES

*ongoing

Programming Languages/ Libraries: C, Python, R, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, Excel, Git, MySQL

Coursework: Engineering B-Plan* | Programming and Data Structures | Algorithms-I* | Probability & Stochastics* | Image Processing

MOOCs: Machine Learning (Andrew NG) | Kaggle ML Micro-Courses | Foundations of Business Strategy* (Virginia) | deeplearning.ai*

POSITIONS OF RESPONSIBILITY

Head | Technology Robotix Society, IIT Kharagpur

05/2018 – Present

- Developed, conceptualised and prototyped the autonomous robotics competition **Tesseract** in **India's largest tech-fest Kshitij**
- Developed from scratch **GitHub** based **open-source** society websites (Robotix, Makerspace and Winter School) using **Jekyll**
- Project Head and Organiser** of the first ever **Winter School of AI and Robotics** and mentored over 100 robotics enthusiasts

Associate Member | Business Club, IIT Kharagpur

05/2018 – 01/2019

- Attended knowledge meetings and organised industrial open-house sessions on **business strategy, finance and data analytics**
- Won **gold** in the **Intra-Club Case Study Competition** and wrote a **Club White Paper** on the topic **blockchain mining**
- Active contributor in organising and publicising the **7th Indian Case Challenge** held during India's largest tech-fest Kshitij

EXTRACURRICULAR ACTIVITIES

Elected as the **best leader** of the **School Council**, managing co-curricular student affairs of Jayshree Periwal High School, Jaipur 2018Won **best delegate** in the Lok Sabha Committee of Inter-School **Indian International Model United Nations**, Jaipur 2017