



## Education

- **B.E. Electronics and Communication Engineering** | NSIT, University of Delhi | **7.97 CGPA** **Aug 2020**
- **CBSE - Class XII** | R N Podar Senior Secondary School, Mumbai | **94.6%** **Apr 2016**
- **ICSE - Class X** | Maneckji Cooper Education Trust School, Mumbai | **93.67%** **Apr 2014**



## Experience

### SOFTWARE DEVELOPMENT INTERN | MphRx, Gurgaon

- Worked as a Web Development and Machine Learning Engineer
  - Developed a machine learning classifier for appointment no shows achieving a recall score of 82% as higher penalty was given to false negative cases. Used Synthetic Minority Over-sampling Technique (SMOTE) to tackle the issue of class imbalance
  - Configured and integrated an API gateway for the microservices architecture based on Nginx, thereby serving as a POC for migration to microservices
  - Refactored a dashboard in Python (Dash by Plotly) and deployed to production using Flask

### STUDENT TRAINEE | HCL InfoSystems, Noida

**Jul' 2018 - Jul' 2018**

- Worked on a Data Visualisation project using Pandas and Matplotlib to estimate the production requirements in the SCM division

### WEB DEVELOPMENT INTERN | BlueSeed Ventures

**Jun' 2018 - Jun' 2018**

- Built a Web Application on Home Customization along with real-time improvement suggestion to the users
  - Used JavaScript to build functional web components and converted deprecated ActionScript code to JavaScript
  - Built a secure backend using Node.js and setup the infrastructure for deployment of the Web Application



## Skills

- Programming Languages - Java, JavaScript, Node.js, Python, Ruby
- Databases - MongoDB, SQL
- Frameworks & Libraries - React.js, Sci-Kit Learn, Kong API gateway, Dash by Plotly, Flask, Express, Rails, Flutter
- Others - Linux (proficient), Git



## Certificates and other Accolades

- **Neural Networks and Deep Learning** - Coursera | deeplearning.ai *Issued Jun 2020*
  - Credential ID - KDF2JHYTQECH
- **Java - Data Structures and Algorithms** - Coding Ninjas India *Issued Apr 2017*
- Selected in top 12 (team lead) out of 100+ teams that participated in HACKEAM'18 hackathon at NSIT | TEAMC'19



## Projects

- **Voice Automated Intelligent Electronic Voting Machine** *May 2020*
  - Developed a Web Application using the Web Speech API to enable a conversational workflow of the voting process in English and Hindi languages
  - Implemented Facial recognition of the Voter using face\_recognition open source python library. The process used dlib C++ library and applied the Histogram of Oriented Gradients (HOG) algorithm along with face landmark estimation to get facial data. This was later deployed as an API endpoint on Heroku
- **MedRep | HACKEAM'18** *Feb 2018*
  - Developed a central repository of medical data for patients and medical laboratories using Node.js and MongoDB.
  - Application was developed during a 24hrs Hackathon along with a team of 3 additional members to solve problems faced by rural and illiterate people after conducting a detailed survey
- **Sewing3D** - Web Application built to advertise and promote the products of a 3D printing business
- **MarioPlan** - A React application which provides a dashboard with various projects and their details. The components get updated in realtime based on user interaction. Deployed to Firebase and built as a part of a Course



## Positions of Responsibility

### PRODUCTION DEPARTMENT HEAD | Venatus - Society of NSIT

**Oct' 2016 - Aug' 2019**

- Elected Production Head to lead a team of 12 members
- Worked closely on the functioning of the society and the following events
  - MOKSHA'17 - Content creation for Aimbot'17 and Alfresco'17 which were the flagship events of the society
  - MOKSHA'18 - Assumed administrative role and looked after the execution of the production team and coordinated with social media promotions and sponsorship to achieve highest footfall of 1200+ students from various universities