

# NAREN SAIRAM

Roll Number: 106118062

B.Tech – Computer Science and Engineering

National Institute of Technology

Tiruchirapalli, India

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## Educational Qualification:

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2018-Present	B.Tech - CSE	NIT, Trichy	8.64
2018	Class XII	PS Senior Secondary School, Chennai, CBSE	96.6%
2016	Class X	PS Senior Secondary School, Chennai, CBSE	10

## Academic Achievements:

- Qualified for **INOI** (Indian National Olympiad in Informatics) through **ZCO** in 2018.
- Secured **highest aggregate** in Maths, Physics and Chemistry in AISSCE 2018 at school level.

## Internship Experience:

- Software Developer at SightSpectrum LLC, Chennai:** *Dec 2019 - Jan 2020*  
Built a **text mining web application** (Resume Miner) that parses resumes that are uploaded from a recruiter's collection, along with a **search engine** for recruitment team. Search engine is developed using **Flask (Python)** and **MySQL**, identifies qualifying resumes based on given criteria and search results are ranked by a **ranking algorithm**. Extracted necessary entities such as Experience, Skills, Education, Roles etc. Currently used by the recruitment team, with scope of expansion.

## Technical Skills/ Certifications:

- Programming Languages : C, C++, Python, Java, Dart, JavaScript.
- Software Development : Android Development, React Native, ReactJS, Flutter, Django, Flask, HTML5/CSS3, MySQL, Git.
- Machine Learning : Scikit-Learn, NLTK, TensorFlow, numPy.
- Certifications : Applied Machine Learning and Text Mining in Python (University of Michigan, Coursera)

## Positions of Responsibility:

- Event Manager, Events Team, Festember:** *Mar 2019 - Present*  
Organised the 70+ events and outreaches in Chennai and Bangalore as part of **Festember**, the annual cultural festival of NIT, Trichy. Contacted various famous film, fashion, music, dance and art personalities for Festember along with collaborating with the other teams for making it happen.

- **Software and Algorithms Developer, Spider R&D club of NIT Trichy:** *July 2019 - Present*

Developer at **Spider, R&D Club of NIT Trichy**, which handle both research and development work for college activities such as sport events, symposiums, technical and cultural meets. Organized and conducted Android App Development workshop for more than 300 freshers. Prepared workshop contents for the topic, and delivered classroom sessions and guided hands-on exploration.

#### **Club Projects:**

- **Sportsfete App:** *Sept 2019 – Oct 2019*

An official android application for **Sportsfete '19, NIT Trichy's annual Inter-Departmental Sports Fest**. An Intuitive User-Interface, built with many traits like Schedule and Leaderboard where users get real time sports feed such as **Commentary** and **Player Achievements**. Built the UI with **Material Design**, player-search and a pre-match voting feature which enabled users to predict match results. Used by more than 2000 students each year.

- **Percussionist, Amruthavarshini, Carnatic Music Club of NIT Trichy:** *Jan 2019 - Present*

Classical percussion instrument player (**Mridangam**) at Amruthavarshini, Carnatic Music Club of NIT Trichy with over 7 years of experience. Organized competitions, hosted concerts and lecture demonstrations by esteemed artists and performed at several occasions in and around college.

### **Extracurricular Activities and Co-Curricular Activities:**

#### **Sport Activities:**

- Part of **NIT Trichy Sports Contingent** and active member of College Table Tennis team.
- Secured Second place in Table Tennis Men in **SASTRA Colosseum '19**.

#### **Other Projects:**

- **NaWiFi:** *Dec 2019 – Jan 2020*

An android application for **Wi-Fi based indoor positioning and navigation** inside malls using the strength of Wi-Fi signals (RSSI) and the MAC address. Built the application with features such as **Crowd Frequency Analysis**, User Navigation, Customized Notifications regarding Offers from Shop retailers etc. Application uses **KNN model** to predict user's position, backend APIs using **Django** and **Java and XML** with Android SDK platform.

- **LiveSoccer:** *May 2019 – Jun 2019*

A mobile application built using **React-Native**, covering the **latest football scores**, leagues, fixtures, stats and calendars for teams and competitions in the current season. Built the UI using **Native-Elements** library, and other features such as match-info, statistics, line-ups, goals and substitutions.

- **Railway Reservation System:** *Oct 2017 – Dec 2018*

A fully functional **application software** written completely in **C++** for Railway Reservation Management. Drafted the requirements and built the whole application from scratch, with features such as login(admin, client), scheduling trains, booking trips, **wait-listing** management features, **generating E-Ticket** and **reservation charts** etc.