

# ASTITWA SAXENA

+91-8130779289  
239CO15  
github.com/astu9880

saxena.astitwa21@gmail.com

## EDUCATION

B.E., Computer Engineering (COE)	2015-19	NSIT, Delhi	75.01%
AISSCE (Class XII)	2014-15	Delhi Public School, Greater Noida	97.2%
AISCE (Class X)	2012-13	Delhi Public School, Greater Noida	10 CGPA

## TECHNICAL SKILLS

*Proficient* in **C++**, **JavaScript**, **Python**, **MATLAB**

*Competent* at **HTML/CSS**, **HiveQL**

*Experience* with **Git**, **Android SDK**, **Google Scripts** and **Firebase**

*Skilled* in Web front-end framework **Vue** and **Node** runtime environment

## INTERNSHIPS

Software Development Intern, **Walmart Labs**, Bangalore MAY 2018 – JULY 2018

Summer intern at the Financial Transformation team

Automated and scheduled data transfer validations for markdown and wages data

Used Aorta in house framework for extracting table data from multiple sources and comparing them on a hive stage database

Technologies dealt with - Hadoop, Teradata, SQL Server, Automic

Assistant Researcher, **Indian Defence R&D Organisation**, Delhi DEC 2017 – MAY 2018

Compared various swarm optimisation algorithms when implemented on a particle filter for video tracking applications. Implemented an object tracker in python to produce minimal rmse error

## PROJECTS

### The Trail App - Backend Developer

A startup to book salons appointment and provide information about salons nearby.

→ Developed backend for the website in ECMAScript 6

→ Built certain front-end features using Vue as a framework

→ Deployed and hosted using *Firebase hosting*

### Team Leader – Smart India Hackathon '17 (4<sup>th</sup> position)

Built a live chatting application for fstartupindia.gov.in. Shortlisted for developing the prototype further

Used *firebase functions* and *firebase realtime database* for building backend

Built a **self-trained chat-bot** using *API.AI*

### Digit Recognition System

Used MNIST database to train a neural network to create a digit recognition system with 95% accuracy.

Currently world rank 102 in the ongoing kaggle competition on digit recognition

### Technical Head – BharatHacks

Built a medical history database management system.

Head of developing the web application.

Used Plotly.JS for high level, declarative charting of data.

## ACADEMIC ACHIEVEMENTS AND AWARDS

ACM ICPC 2016-17 – Team Rank 344.

Stanford Machine Learning Course completed with 98.8% aggregate. [Certificate](#)

Deep Learning Specialisation Course by deeplearning.ai [Certificate](#)

## POSITIONS OF RESPONSIBILITY

Software Lead - ARES (Mars Rover Society of NSIT)

Programming Head – NEXUS (Computer Club of DPS - Greater Noida)

## EXTRA-CURRICULAR ACTIVITIES

Passed Fit in Deutsch (A1 and A2) examination with more than 90% grade in each

Vice President of **Crescendo** – The Music Society of NSIT

Passed grade 3 of Trinity Pop and Rock course with distinction