SPARSH NAGPAL

3rd YEAR COMPUTER SCIENCE UNDERGRADUATE STUDENT

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EDUCATION

Thadomal Shahani Engineering College (University of Mumbai)
Mumbai — *Bachelor's of Engineering in Computer Science*
August 2018 - June 2022 (Expected)
CGPA – 8.83/10 (based on 5 semesters results)

Pace Junior College, Mumbai— *High School*
April 2016 - March 2018
12th Boards – 83.7%

Pawar Public School, Mumbai— *School*
April 2014 - March 2016
10th Boards – 96.6%

EXPERIENCE

Friends For Inclusion, remote— *NLP Programming Intern*
March 2021 - Present
Modelling the backend of India's first efficient Indian Sign Language translation application using various NLP functionalities from cleaning to implying Named Entity Recognition.

The Sparks Foundation, remote— *Computer Vision and IoT Intern*
April 2021 - May 2021
The role involved working on a plethora of Computer vision tasks and building functioning models based on those given tasks.

Pianalytix, remote— *Machine Learning Research Intern*
November 2020 - December 2020
The internship involves researching various machine learning topics and writing detailed research articles explaining them which were published later.

The Sparks Foundation, remote— *Data Science Intern*
October 2020 - November 2020
Resolving a set of challenging Data Science problems and working on data analysis on the given set of information.

SKILLS

- **Python, Selenium(WebDriver automation), Flask Connectivity**
- **Machine Learning, Deep Learning(NN, CNN, RNN, R-CNN), Tensorflow, OpenCV, Keras**
- **Natural Language Processing**
- **HTML, CSS, Bootstrap, Javascript, JQuery, ECMAScript,,Ajax, XML**
- **PHP, SQL (ORACLE, MYSQL, MARIA), Data warehousing**
- **Java, C, C++**

PROJECTS

- Music Genre Classification And Comparing various algorithms – Machine Learning Models, Flask, HTLM, CSS
- Indian Sign Language Translator (Contributed)– NLP, Python
- Online KYC Verification System – CNN, ML, Flask, HTML CSS JS
- E-commerce Aggregator – Selenium Automation Python
- Movie Recommendation System (Content-based filtering) –Python
- Written Published Articles on – Decision Tree, OpenCV, Text Summarization, Autocorrect using NLP

Argyle HR Solutions Pvt Ltd, Mumbai — Business Development *Intern*

June 2019 - July 2019

A month-long internship including tasks like website management, data handling and client interaction.

CERTIFICATIONS

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning Coursera
- Natural Language Processing in Vectorized Models Coursera
- Convolutional Neural Networks in Python Udemy
- Automate the Boring Stuff with Python Programming Udemy
- Image Classification with CNNs using Keras Coursera
- HTML, CSS, and Javascript for Web Developers Coursera
- Building Basic General Adversarial Networks
- Using Python to Access Web Data Coursera
- Javascript SoloLearn
- PHP SoloLearn
- MATLAB Mathworks training course

OTHER COURSES

- Deep Learning Specialization Coursera [4 audit courses]
- Natural Language Processing Specialization [4 audit courses]
- Natural Language Processing in Tensorflow [audit course]
- Convolution Neural Networks in Tensorflow [audit course]

CLUBS

TSEC CodeCell (Technical), Mumbai — *Jr.Committee Member*

October 2019 - March 2020

Work included conduction of a hackathon, working on technical questions for an event and marketing which included finding potential sponsors.

Rotaract Club Of Bombay Powai (Community Service), Mumbai —Community Service Director and Sergeant at Arms

August 2019 - Present

It is a community-based club that involves various large scale projects from community service events to other recreational events.

- Automated Episode Player - Selenium Automation Python
- User-NGO platform (Ongoing) 'The WireUs' - Html CSS JS Django
- Twitter Sentiment Analysis - NLP in Python
- A Movie Booking System - Java
- Cats VS Dogs - CNN Tensorflow
- Personalized Streaming List maintainer with User Authentication - HTML CSS JS PHP MySQL

LANGUAGES

ENGLISH, HINDI