

## SWAMI NANDAN

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### EDUCATION

B-Tech	Delhi Technological University	2017-present	6.40(CGPA)
CBSE(Class XII)	SBBM Govt. Sarv. Vid. (RPVV) , Delhi	2016	71%
CBSE(Class X)	Jawahar Navodaya Vidyalaya , Delhi	2014	9.6(CGPA)

### WORK EXPERIENCE / INTERNSHIP

- ▢ **Coding Club** August 2019 – October 2019
  - **Mission Helix**  
Worked on Automating of 7 different events on 7 different chakras such as hiring,Gsoc/ACM-ICPC/Google-Kickstart notifications etc using Google chrome extension.
  - Due to this followers of Coding Club became 20k+ via seeing live one day one story.Tech Stack : JavaScript, CSS, HTML.
- ▢ **Nokia** 1st July 2019 – 26th July 2019
  - **Text Similarities using NLP.**  
Done a project by finding similarities of greater accuracy using Machine Learning Algorithms
  - Due to this, Employees of Nokia are easily solving the customers queries.
  - Tech Stack : Data structure and Algorithms, Machine Learning Algorithms Design and Analysis, Python, C/C++.
- ▢ **Kariyon Technology Pvt. Ltd.** 1<sup>st</sup> June - 15<sup>th</sup> July 2019
  - **Mushroom Classification**  
Build a classifier using Logistic Regression which can classify if Mushroom is poisonous or edible based on some features. Performed exploratory data analysis on a Mushroom to gain the domain knowledge and built a binary classifier to detect accuracy of poisonous or edible.
  - Tech Stack : Python, ML (Logistic Regression).

### PROJECTS

- ▢ **Apparel Product Recommendation System**
  - Applied Natural Language Feature Engg & built a content based recommendation system using NLP Models (BoW & TF-IDF) in problem of recommending similar products on e-commerce websites by using Amazon product advertising API.
  - Tech Stack : Python, BoW, TF-IDF, Word2Vec, NLP.
- ▢ **Face Recognition using KNN**
  - Applied KNN classification Algo in face recognition using opencv & HaarCascades CNN model for frontal face detection.
  - Tech Stack : Python, ML, OpenCV.
- ▢ **Handwritten Digit Recognition:**
  - Applied K Nearest Neighbours Algorithm in recognizing handwritten digits (0 to 9) from the MNIST dataset.
  - Developed a system from scratch which includes a machine to understand and classify the images of handwritten digits as 10 digits (0-9). Accuracy of the model was around 98%.
  - Tech Stack : Python, ML (KNN), OpenCV, MNIST Database.
- ▢ **Dominant Color Extraction**
  - Applied K Means Clustering Unsupervised Algorithm in Segmenting an image into set of K Dominant Colors.
  - Extracted the K Dominant Colors from the image and then re-colored it using those K Colors.
  - Tech Stack : Python, ML (K-Means), OpenCV.
- ▢ **Credit Card Fraud Detection**
  - Classifier using Logistic Regression which can classify if Credit Card has transaction of fraud or not & how much has fraud based on some features. Performed exploratory data analysis on a Card to gain domain knowledge & built a binary classifier.
  - Tech Stack : Python, ML (Logistic Regression).

### POSITIONS OF RESPONSIBILITY

- ▢ **Mentor at CodingClub**
  - Coding Club is a strongest network of coders connecting alumni, college coders and best coders to maintain coding culture in colleges. After interviewing 750+ candidates from 2nd, 3rd and 4th years coders in colleges, we have a team of 100 College Mentors who are best coders across colleges. College Mentors guides juniors in their respective colleges.
- ▢ **ML Mentor in the GirlScript Winter Mentorship & Competitive Coding Mentor in Cod{on}fest 2020.**
  - Design both ML & Competitive Coding Course Structure for mentoring the Mentees & Mentored whole Mentees for the ML Course which had held in Dec 2019 and mentoring the mentees for competitive coding from 1st March 2020.
- ▢ **Fest Co-Cordinator at Karyon 20, Co-Head at Invictus 19, Co-Head at EngiFest 19, DTU**
  - Lead a team of 200+ Members to organized the fest smoothly & timely where so many events had organized during the fest.

### SKILLS

- ▢ **Programming Languages :** C/C++.
- ▢ **Familiar with :** C/C++, Python, DBMS, CSS, HTML, Node.js, Angular JS.
- ▢ **Interpersonal Skills :** Leadership, Public-Speaking, Team Work.

### EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- ▢ Ranked 1816 in **Google Kickstart (Round E 2019)**.
- ▢ Solved 50+ Questions at each online Coding Platform such as CodeChef, LeetCode InterviewBit & Spoj and Continuing it ([codechef.com/users/swamiraj/](https://www.codechef.com/users/swamiraj/), [leetcode.com/swamiraj/](https://leetcode.com/swamiraj/), [interviewbit.com/profile/swami-nandan](https://www.interviewbit.com/profile/swami-nandan), [spoj.com/status/swamiraj/](https://www.spoj.com/status/swamiraj/)).
- ▢ Secured **Top 10 position** in Coding Club Contest.
- ▢ Worked as a Relationship Manager for Udaan Delhi from 23<sup>rd</sup> - 25<sup>th</sup> March 2019,Campus Ambassador Program for Awign Enterprises Pvt. Ltd Delhi from 12<sup>th</sup> -24<sup>th</sup> Feb 2019 & Got Certificate of Excellence and Social Service for Indian Road Safety Campaign India from 15<sup>th</sup> June - 25<sup>th</sup> August 2018 & Got Best Volunteer Medal & Letter of Appreciation for Excellent working during 2 months internship.
- ▢ Love playing Cricket, football, Volleyball, Badminton, singing and reading.

### TRAINING / CERTIFICATIONS

- ▢ Passed **HPE Certificate of Competency Program** on **Machine Learning**.

### DECLARATION

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.