

INTERNSHIPS AND PROFESSIONAL PROJECTS

Product Researcher

October 2020 - July 2021

CodeReady INC

Toronto, Canada - WFH

Toronto based EdTech startup founded by IIT Alumni (codeready.ca)

- Worked closely with the training manager to develop **classroom-ready lesson** plans for teaching complex programming concepts to pre-teens
- Developed training modules** with practical hands-on experience by introducing fun, interactive and educational sessions
- Designed course curriculum** and researched course pedagogy for 70-80 students. The course has now been expanded to **100+ Canadian students**

Summer Analyst

June 2020 - September 2020

National Council of Applied Economic Research (NCAER)

New Delhi, India - WFH

India's oldest independent, non-profit, economic research think tank (ncaer.org)

- Created **user-friendly** and **drop-down menu** based **Dashboards** in **MS Excel**
- Applied **data visualization techniques** for better and effective presentation of large-scale datasets like:
 - Primary data of **household survey** on assessing the **Socio-economic Impact of COVID19**;
 - Secondary data with over 1000 indicators from **Censuses of India: 2001 and 2011**;
 - Secondary data on tracking the progression of **Covid19 cases in India**
- Survey Dashboard aided the research team in presenting the study findings on Covid-19 data outcomes to the policy-makers

Technology Stack - Data Visualization Applications using MS Excel such as **pivot tables** and **VLOOKUP function**

Summer Analyst

June 2019 - July 2019

Ascension Centre for Research and Analytics (ACRA)

Noida, India - Onsite

An economic, environment and social research organisation (ascension.org.in)

- Scraped** tourism-specific data from all state government websites
- Compiled database** of the entire universe of homestays in India to be used for potential studies on home stays to feed into a search engine

Technology Stack - Python3 (BeautifulSoup, Pandas)

EDUCATION

B.E. in Computer Engineering

July 2018 - Present

Thapar Institute of Engineering and Technology

Patiala, Punjab, India

Grade: 8.52/10 (till 6th semester)

School

Modern Vidya Niketan

Faridabad, Haryana, India

Senior Secondary (2018)

92 % (CBSE)

High School (2016)

10 CGPA (CBSE)

PROJECTS AND ACHIEVEMENTS

FACE RECOGNITION USING OPENCV, PYTHON AND DEEP LEARNING

- Performed **face recognition in images and video streams** on a self created dataset
- Used **K-NN algorithm** for classification

Technology Stack - Python 3, dlib, face_recognition module, OpenCV

VIDEO COMPRESSION TOOL

Implemented a video compression tool using **OpenCV** that compresses any video file according to the compression limit specified by the user

Technology Stack - Python 3, OpenCV

ACHIEVED 6 STARS IN HACKERRANK (PROBLEM SOLVING)

Languages used - C++, Python

TECHNICAL KNOWLEDGE AND SKILLS

- Programming Languages:** C++, C, HTML, CSS, Python
- IT constructs:** Data Structures and Algorithms, OOPs, DBMS, Operating Systems
- Software Packages:** Google Colab, R, MySQL, Anaconda
- Python Libraries:** Sklearn, NumPy, Pandas, Matplotlib

EXTRA-CURRICULAR ACTIVITIES / HOBBIES

Playing badminton, basketball, tennis, chess ; Reading books