Vishal Mittal

+91-6378775444 | f20170080@pilani.bits-pilani.ac.in | linkedin.com/in/vismit2000 | github.com/vismit2000

EDUCATION

BITS Pilani	Rajasthan, India
B.E.(Hons.) Computer Science, GPA: 3.68 (9.20/10)	*Aug 2017 – May 2021*
Kendriya Vidyalaya No.1, Harni Road, Vadodara	Gujarat, India
Intermediate, 94.6%	*April 2016 – May 2017*

EXPERIENCE

Intern, Member of Technical Staff — Jan 2021 – Present
Nutanix — *Bangalore, India*
- Working in Platform Solutions team at Nutanix

Summer Analyst — May 2020 – June 2020
Goldman Sachs — *Bangalore, India*
- Worked in ML and Analytics team under Engineering Division
- Built a model to predict real-time anomaly in time-series data leveraging deep learning techniques like LSTM

Research Intern — May 2019 – July 2019
Indian Institute of Remote Sensing (IIRS, ISRO) — *Dehradun, India*
- Developed a web platform to identify potential suitable habitat for swamp deer in Jhilmil Jheel region near Haridwar (Uttarakhand)
- The platform also had a feature of reclassifying images on the fly on the basis of suitability
- Tech used: PostgreSQL database to store satellite imagery data, HTML/CSS, JS, Python, Django

TECHNICAL SKILLS

Languages: C/C++, Java, Python, HTML/CSS, SQL, JavaScript
Developer Tools: Git, Docker

PROJECTS

Storage System - Cloud Computing | *Python, Flask, Zookeeper, CRUSH* | Github — Nov 2020
- A storage system for Shopping Cart data, and an API to access it written in Python
- Implemented Leaderless replication, data partitioning and eventual consistency
- Used CRUSH hash function for mapping, Zookeeper for coordination, read-repair using version vectors for consistency and Flask to build the API

Real Time Identity Detection System - Deep Learning | *OpenCV, Python* | Github — Jan 2020 - May 2020
- Devised a college-wide CCTV camera-based real-time surveillance system for 5000+ students in BITS Pilani campus
- Used Python's face_recognition library integrated with Flask to create an attendance system that allows users to register themselves with their own images and consequently mark their attendance by simply facing the camera
- Calculated unknown face encoding by training a modified VGG-16 ConvNet on a triplet loss function. Only one training image per class is required

Compiler Construction | *C* | Github — Jan 2020 – Apr 2020
- Implemented a compiler for a custom language in C
- Implemented lexical Analyzer, Syntax Analyzer, Semantic Analyzer, and Code generator modules

Question Answering System - Natural Language Processing | Github — Aug 2019 – Dec 2019
- A Study Oriented Project for Ranking-Based Question Answering System
- Developed a Chrome Extension which consists of a question interface where the user can ask any question
- Created a Question Selection Web Service using Flask to handle the backend and used SVM model for question classification

AWARDS AND RECOGNITIONS

Techgig Code Gladiators 2020 — *Aug 2020*
- Reached the Grand Finale (top 800 participants) of Techgig Code Gladiators 2020 among more than 2.5 lakh participants

Google Tech Intern Connect - 2019 — *June 2019*
- Selected as one of 400 participants nationwide for Google Tech Intern Connect - 2019 Event held at Google India Head Office, Gurugram

KVPY Scholar — *Dec 2016*
- Attended National Science Camp (Vijyoshi) - 2016 held at IISER Kolkata for KVPY scholars

SCHOLARSHIP

- Received BITS Pilani Merit Scholarship throughout my degree programme awarded to top 2% of the students