

Vishal Mittal

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EDUCATION

BITS Pilani

Bachelor of Engineering (Hons.) Computer Science, GPA: 9.30/10

Rajasthan, India

Aug 2017 – May 2021

Relevant Courses: Operating Systems, Cloud Computing, Object Oriented Programming, Data Structures and Algorithms, Database Systems, Computer Networks, Compiler Construction

EXPERIENCE

Tech Analyst

Goldman Sachs

July 2021 – Present

Bangalore, India

Intern, Member of Technical Staff

Nutanix

Jan 2021 – June 2021

Bangalore, India

- Worked in Platform Solutions team on developing a Proof of Concept for building a database of server nodes and their command outputs to enhance developer productivity
- Built a server to quickly search a node based on requirements and to see how the hardware reacts to various commands
- Automated the comparison and analysis of hardware data collected by two tools and implemented features in the hardware abstraction library to make it more robust

Summer Analyst

Goldman Sachs

May 2020 – June 2020

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

Indian Institute of Remote Sensing (IIRS, ISRO)

May 2019 – July 2019

Dehradun, India

- Developed a web platform to identify potential suitable habitat for swamp deer in Jhilmil Jheel region near Haridwar
- Implemented a feature of reclassifying images on the fly on the basis of suitability
- Platform helped researchers to quickly test and verify new areas for suitability of animals based on satellite imagery data
- Tech used: PostgreSQL database to store satellite imagery data, HTML/CSS, JS, Python, Django

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL, JavaScript

Developer Tools: Git, GitHub, Docker

PROJECTS

Storage System - Cloud Computing | *Python, Flask, Zookeeper* | [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

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 for backend and used SVM model for question classification

AWARDS AND RECOGNITIONS

Google Tech Intern Connect - 2019

June 2019

- Selected as one of 400 participants nationwide for Google Tech Intern Connect - 2019 event

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