

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

EXPERIENCE

Tech Analyst

Goldman Sachs

July 2021 – Present

Bangalore, India

- Working on deploying models in production and automating the release workflow

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 different 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: Python, C/C++, Java, SQL

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

PUBLICATION

Kumar N., Mittal V., Sharma Y. (2021) "A Three-Fold Machine Learning Approach for Detection of COVID-19 from Audio Data". ICCSA 2021. Lecture Notes in Computer Science, vol 12951. Springer, Cham. [Paper Link](#)

AWARDS AND RECOGNITIONS

Merit Scholarship

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

May 2021

Google Tech Intern Connect - 2019

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

June 2019

KVPY Scholar

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

Dec 2016