Abhay Katheria

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EXPERIENCE

Vitess, Cloud Native Computing Foundation
Linux Foundation Mentee, May 2021 – present

- Expanded the testing coverage of the Vitess Framework Testing repository.
- Implemented exhaustive test cases for Django's compatibility with Vitess.

Webteam, MNNIT
Co-Admin/Co-maintainer, Jan 2021 – present, part-time

- Analyzed, prioritized, and problem-solved several tasks concurrently with minimum supervision.
- Collated basic project requirements with assigned technical lead and planned development strategies.
- Investigated and resolved application issues for web-based programs providing end-user support to faculty and students.

PYTHON SOFTWARE FOUNDATION
Google Summer of Code, June 2020 - Sept 2020

- Worked on a project called tern, which is a container compliance tool.
- Increased the readability of large output reports by developing a new HTML format.
- Expanded the dimension of the project by adding functionality to detect licenses of modules installed by language package managers.
- Performed integration testing before launching applications.

I-smriti, IIT-K
Student Intern, June 2019– August 2019

- Developed a prototype for an obstacle avoidance system for self-driving cars using raspberry pi and nodeMCU.
- Learned and coded Advanced Deep Learning Algorithms like CNNs and ANNs.
- Researched and studied the usage of IoT with machine learning.

EDUCATION

MN-NIT,Prayagraj
Bachelor of Technology in Computer Science and Engineering, Aug 2018 - Aug 2022
- GPA: 8.04/10.0

SKILLS

- **Languages** - Python, C++, Dart
- **Frameworks** - Django, React, Flutter
- **Web** - HTML5, CSS, JS, PHP
- **Database** - Mysql, firebase, SQLite
- **Cloud** - Aws, DigitalOcean
- **Machine Learning -** pandas, NumPy, Keras, fastAI, plotly

ACHIEVEMENTS

- Ranked 7 in Hack36 2021 for building an AR-based educational app.
- Runner Up In Logical Rhythm Inter-College Machine Learning Competition on Kaggle.
- 16th Rank (Global) in HackerEarth Lunar Rock Classification Challenge (10/2019).
- 169th Rank (Global) in HackerEarth Garden Nerd Flower Recognition Challenge.

AREAS OF INTEREST

- DevOps, Machine Learning, IoT, and Web/Mobile Development.

PROJECTS

OneML

- Lead a team of 4 for making an edu-social platform for machine learning algorithms visualization.
- Wrote Python scripts for machine learning applications.
- Created APIs using the serverless framework, AWS lambda, and Django.
- This project got selected in Hack-36 Technical Hackathon, Cohort 3 program of Cisco ThingQbator and ThingQbator startup-track internship program.

Admin Pro

- An admin app made on flutter for managing assignments distributed by professors.
- Implemented interactive graphs to gain essential insights using the syncfusion package.
- Used firebase as a backend for cloud storage and database.

StrangeFlix

- Netflix-clone designed using Django and AWS.
- Added all the basic membership features.
- Used AWS S3 for cloud blob storage of videos.