Vaibhav Vikas

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EDUCATION:

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI (NIT TRICHY)
MASTER OF COMPUTER APPLICATIONS
August 2018 - June 2021
CGPA: 9.14/10.00

PGDAV COLLEGE (EVE.)
UNIVERSITY OF DELHI
B.SC. (HONS.) MATHEMATICS
July 2014 - June 2017
Percentage: 68.73%

AREA OF INTEREST:

- Machine Learning
- Full Stack Development
- Open-Source Technologies
- Data Structures and Algorithms

TECHNICAL SKILLS:

Programming Languages:
- Python • C/C++ • Java

Frameworks:
- Flask • Angular • Airflow • Spring
- Maven • Jasmine • JUnit

Familiar:
- Git • GitHub • GitLab • Jira
- Docker

CERTIFICATIONS:

- Python for Everybody (Coursera)
- Algorithmic Toolbox (Coursera)

PUBLICATIONS:

- Chanchal Rana, …, Vaibhav Vikas, *et al.* Global epidemiology of CTX-M-type β-lactam resistance in human and animal, Comparative Immunology, Microbiology, and Infectious Diseases. Volume 86, July 2022, 101815.
  https://doi.org/10.1016/j.cimid.2022.101815

PROFESSIONAL EXPERIENCE:

BNY MELLON TECHNOLOGY PVT. LTD.
Associate Software Developer | July 2021 – Present | Pune, Maharashtra
- Worked on CCAR on various Python models like CMM (Commercial Mortgage Metrics) and, trigger them via Jupyterhub or Apache Airflow.
- Worked on Data Extractor to create templates and further extract the data from the database using Python, Flask, and Angular.
- Involved in company's private tools for CI/CD, application monitoring, error logging, and server deployment.

BNY MELLON TECHNOLOGY PVT. LTD.
Software Developer Intern | Jan 2021 – June 2021 | Pune, Maharashtra
- Worked on CCAR Dashboard to design the end-to-end flow of Model Execution from the UI using Angular.
- Worked on Cognitive Agent to automate various employee related tasks with RASA framework in Python with UI in Angular and Microservices using Java Spring Boot to process the requests.
- Worked in different deployment environments (Dev, UAT, Prod).

PROJECTS:

DISTRIBUTED CLOUD | KLA+ Hackathon'20 | GitHub-Link
Python and Flask | February 2020
- A distributed cloud storage like google drive, where user can store and retrieve any files. All files are chunked based on the json provided and stored in servers with load balancing.
- End to End Encryption on chunks to provide extra security.

HOUSING PRICES PREDICTION | GitHub-Link
Python and Machine Learning | July 2022
- A machine learning project based on Kaggle Housing Price Prediction competition using XGBoost. Got a score of 14997.
- The project has all the steps including Preprocessing which fixes missing data and categorical data, and Pipeline which streamlines the process in a single step from fitting and predicting the data.

MYSTERY MAZE | Live Event, Version'19 | GitHub-Link
Unity and Android | August 2019
- An augmented reality treasure hunt game which gives a clue to the person on scanning specific image targets.
- The application has 3D Maps using Mapbox and AR using Vuforia engine.

ACHIEVEMENTS:

- Secured AIR 1 in BIT MCA, AIR 3 in NIMCET, AIR 4 in Pune University, and AIR 10 in BHU All India MCA Entrance Exam in 2018.
- Winner, KLA+ Cloud Storage Challenge'20 at NIT Tiruchirappalli.
- Winner, Datathon in Login'19 at PSG College, Coimbatore, Tamil Nadu.
- Secured 2nd Position in Al-Go-Code in Login'19 at PSG College, Coimbatore, Tamil Nadu.
- Secured 2nd Position in Graffiti Designing, and 2nd Position in Wall Painting in NITTFEST'19 at NIT Tiruchirappalli.