

# Vaibhav Vikas

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## EDUCATION:

**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**  
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
- Python Development
- Object Oriented Programming
- Data Structures and Algorithms

## TECHNICAL SKILLS:

Programming Languages:

- Python • C/C++ • Java

Frameworks:

- Flask • Angular • Airflow • Spring
- REST

Tools/Platforms:

- Git • GitHub • GitLab • CI/CD
- Docker

## CERTIFICATIONS:

- Python Specialization ([Coursera](#))
- Algorithmic Toolbox ([Coursera](#))

## PUBLICATIONS:

- Chanchal Rana, ..., Vaibhav Vikas, *et al.* Global epidemiology of CTX-M-type  $\beta$ -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>

## 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 json templates and further extract the data from the database using Python, Flask, and Angular.
- Worked on 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 | NIT Tiruchirappalli

- 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.

### MYSTERY MAZE | Live Event, Version'19 | [GitHub-Link](#)

Unity and Android | August 2019 | NIT Tiruchirappalli

- 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.

### FOOD WEB VISUALIZATION | [GitHub-Link](#)

Python and Angular | October 2019 | NIT Tiruchirappalli

- A GUI based application to check the species in an ecosystem such as a forest or a river. It shows all the species along with their predators and prey in visual format as graph.
- Tkinter is used for the implementation of GUI.

## 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 and Secured 2nd Position in AI-Go-in Login'19 at PSG College, Coimbatore, Tamil Nadu.