VAIBHAV VIKAS

📞 +91-9015330771 ✉ vbhvvikas@gmail.com in vaibhavvikas ○ vaibhavvikas 🌐 vaibhavvikas.ml

Experience

Open Financial Technologies Pvt. Ltd.   **September 2022 – April 2023**
Software Engineer   *Bengaluru, Karnataka*

- Owned and built Cards Microservices, overseeing all APIs related to credit, debit, and prepaid card creation, activation, blocking/unblocking, transactions, reversals, and settlements.
- Worked on developing embedded finance solutions on Cards, KYC, and Lending Microservices for Zwitch.
- Enhanced and Improved performance by **19%** by optimizing and reducing various database calls in Lending Microservices.
- **Technologies: Go, Python, Gin, Gorm, PostgreSQL, Redis, Amazon S3, Microservices, New Relic.**

BNY Mellon Technology Pvt. Ltd.   **July 2021 – September 2022**
Associate Software Developer   *Pune, Maharashtra*

- Developed Credit Risk Models (CMM and CECL) leveraging Pandas/NumPy; improved model performance by **24%**.
- Optimized CCAR workflow processes by creating Airflow DAGs, resulting in a **200%** boost in model execution time.
- Architected and deployed data extractor tool to create financial reports with various customization modification options.
- **Technologies: Python, Java, SpringBoot, Airflow, Microsoft SQL, Angular, Splunk, Docker.**

Internship Experience

BNY Mellon Technology Pvt. Ltd.   **January 2021 – June 2021**
Software Developer Intern   *Pune, Maharashtra*

- Integrated the end-to-end flow of Credit Risk Models Execution in CCAR Dashboard.
- Reduced Dashboard loading time from 20s to less than 1s by implementing server-side pagination.
- **Technologies: Python, Java, SpringBoot, Airflow, Microsoft SQL, Angular, Splunk, Docker.**

BNY Mellon Technology Pvt. Ltd.   **May 2020 – July 2020**
Software Developer Intern   *Pune, Maharashtra*

- Designed and implemented a Cognitive Agent using RASA framework for automating employee-related tasks.
- Created the ChatBot UI with support for ratings, images, and videos, using socket.io for communication.
- **Technologies: Python, Java, SpringBoot, Socket.io, RASA, Microsoft SQL, Angular, Docker.**

Projects

Stay Sorted | *Go, Gin, Gorm, PostgreSQL* | GitHub Link   **April 2023**

- A web application that allows users to create and manage property listings, make reservations, and search for properties.
- Implemented features such as JWT Authentication, Middlewares, DB Migration, entities, models, and error handling.

Distributed Cloud | *Python, Flask* | GitHub Link   **February 2020**

- Developed 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 and end-to-end encryption.

Education

National Institute of Technology, Tiruchirappalli   **July 2018 – June 2021**
Master of Computer Applications, CGPA: 9.14   *Tiruchirappalli, Tamil Nadu*

Technical Skills

- **Languages**: Python, Java, Go, SQL
- **Frameworks/Libraries**: Django, Flask, FastAPI, SqlAlchemy, SpringBoot, Hibernate, JUnit, Gin, Gorm, Airflow, Angular
- **Databases**: PostgreSQL, Redis, Microsoft SQL
- **Technologies/Tools**: Amazon S3, Microservices, OOP, Git, Jira, VSCode, Postman, CI/CD, Docker

Achievements

- Secured AIR 1 in BIT MCA, AIR 3 in NIMCET, AIR 4 in Pune University, and AIR 10 in BHU MCA Entrance Exam, 2018.
- Winner, KLA+ Cloud Storage Challenge'20 at NIT Tiruchirappalli.

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.