Rohit Kadappa Gundakalli

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EDUCATION

University Of Massachusetts Amherst   **Massachusetts, USA**
Master of Science in Computer Science | GPA: 4.0/4.0   *Expected Graduation – Dec 2024*
Coursework: NLP, RL, ML, Advanced Algorithms, Distributed & Operating Systems, Systems for Data Science, Statistics, Business Intel & Analytics.

Bangalore Institute of Technology   **Bangalore, India**
Bachelor of Engineering, Computer Science Engineering | GPA: 8.3/10.0   *Aug 2016 - Aug 2020*
Coursework: Data Structures & Algorithms, Databases, Machine Learning, Cloud Systems, UNIX Programming, Software Testing, Python Programming.

IBM Data Science Professional Certification   **Coursera**
coursera.org/account/accomplishments/professional-cert/97ZKH47TXMTQ   *Mar 2022 - Aug 2022*

PROFESSIONAL EXPERIENCE

Wow Labz Pvt. Ltd. | *(wowlabz.com)*   **Bangalore, India**
Software Developer   *Aug 2021 - Dec 2022*
- **Born2Die** - A gaming platform with **1M+ users**, which uniquely combines gaming with crypto trading.
  - Orchestrated the implementation of game registration, event management, and wallet management modules utilizing Python FASTApi and Kafka **within a timeframe of 3 months**. These modules contributed to a **15% decrease in processing time.**
  - Implemented event capturing pipeline using web sockets and producer-consumer mechanism to capture the game events and persist them in Redis for processing by other micro-services with **response time of a few hundred milliseconds**.
  - Developed an event processing algorithm to process events and disburse rewards. The algorithm processed **1000s of events in less than a second** in an automated fashion with various configurable parameters and generated reports for the same.
- **Damsol** - Crypto trading applications with a 50K userbase, that provided portfolio management capabilities in INR.
  - Spearheaded the creation of core modules, including user and wallet management from inception to execution in Python **boosting user engagement by 30%**.
  - Prototyped an efficient KYC pipeline with retry mechanism using Redis, Python FASTApi scheduler and AWS services, **reducing user onboarding time by 40%** and ensuring compliance with regulations.
  - Successfully integrated payment gateways facilitating payouts to users, resulting in a **20% reduction in transaction time**.
- **2Gether** - Workspace Management Application that provides and manages office space to 200+ tech companies in Bangalore.
  - Engineered the backend system for the admin app, achieving streamlined member onboarding processes and providing comprehensive overviews of users, bookings, and revenue, all leading to a **15% increase in administrative efficiency.**
  - Programmed an automated invoice generation module, **reducing about 100 hours** of manual invoice creation efforts and expediting revenue tracking. This module facilitated a **precise revenue projection**.
  - Pioneered the development of meeting room booking and time slot management modules resulting in a **significant enhancement to user experience**, earning a positive acclaim from end-users for simplifying the room reservation process.

Ellucian | *(ellucian.com)*   **Bangalore, India**
Software Developer   *Jul 2020 - Aug 2021*
- **Banner Human Resource** -
  - Revamped the HR processes from legacy technology (Pro C) to Java, resulting in a **40% improvement in process efficiency**.
  - Developed a seed data extractor tool in python which fetched remote data based on input conditions and created XML files as output, these files acted as input files to the HR processes. This tool saved around **5 hours per developer per week.**
  - Programmed automated functional batch test suite to ensure that the new processes worked efficiently with other modules.

PROJECT EXPERIENCE

Stock Trader Server | *(Python, Docker, Amazon AWS)*   *Apr 2023 - May 2023*
- Designed a **multithreaded stock trader** server with a **thread pool model** for concurrent request handling.
- Implemented a **fault-tolerant system** by replicating the database three times. Integrated **caching** to boost API request throughput while ensuring **strict consistency** across all replicas for a resilient and **high-performance trading platform**.

Facial Recognition Based Attendance System | *(Python, OpenCV, Amazon AWS)*   *Aug 2019 - Aug 2020*
- Built an innovative solution using python and OpenCV enabling teachers to capture class photos using a mobile app, automatically identifying, and recording student attendance through pre-registered facial data, resulting in **an efficient attendance tracking system** that streamlined classroom management. **The accuracy of the model was about 72%.**

SKILLS

- **Technology :** Python, MongoDB, SQL, Kafka, Nuclio, Redis, HTML, Groovy, C, Java, OpenCV.
- **Tools :** Git, AWS, Docker, CI/CD Pipeline, TensorFlow, Microsoft Suite, UNIX, Postman, Jira, Pandas, NumPy