Rishikesh Pravin Yelne

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EDUCATION

Master of Computer Science, Anticipated May 2024

North Carolina State University, Raleigh, NC   **GPA: 4.0/4**

Coursework: Design & Analysis of Algorithms, Software Engineering, Object Oriented Design & Development

Bachelor of Engineering in Computer Engineering, May 2017

Vidyalankar Institute of Technology (Mumbai University), Mumbai, India   **CGPA: 9.2/10**

Coursework: Object Oriented Programming Methodology, Analysis of Algorithms, Data Structures, Machine Learning

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TECHNICAL SKILLS

- Languages / Frameworks: C#, Java, Python, .NET core, SpringBoot, Angular, Django, Android
- Databases: MsSQL, PostgreSQL, Neo4j Graph DB (NoSQL), MySQL, SQLite
- Tools: Docker, Keycloak, AWS Lambda, Step Function, Cloud Formation, Git

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PROFESSIONAL EXPERIENCE

Software Development Engineer Intern | **Amazon Web Services, Seattle**   May 2023 – August 2023

- Contributed in the development of an importer tool for the **AWS Incident Response** team to fetch event data related to ongoing deployments, which would help in quicker resolution of an incident.
- Designed and implemented the **Step Function**, **Lambda** functions which individually fetch event data from respective sources and store them in the Timeline Event Service, and also the **CDK** for pipeline configuration.
- Incorporated the importer tool in the Timeline Event Service's UI using **Django**

Senior Software Engineer | **GEP Worldwide, Mumbai**   September 2020 – July 2022

- Worked as a Full Stack Developer, contributing in the development of **.NET core APIs**, building **Angular** components and modelling the database in **Neo4j Graph DB**
- Major responsibilities included **design, planning and development** of product features, managing release cycles, fixing high priority bugs, conducting code reviews, maintaining **>95%** code coverage and **<2%** code smells
- Implemented various features of the Supplier Performance Management module which captures responses of suppliers through questionnaires for evaluation and **led the technical team** of the module since July 2021

Full Stack Developer | **Godrej & Boyce Mfg. Ltd., Mumbai**   July 2017 – September 2020

- Managed multiple access-control projects having **hundreds of thousands of daily users**, which included integration of software modules with hardware such as RFID tokens, barcode readers, fingerprint and face scanners
- Major responsibilities included **requirement gathering** from clients, participation in **design and architecture** of project, **development, testing** and managing **deployment** of software modules at multiple locations across India
- Accomplished **multi-threaded communication** with access control devices through **TCP/IP protocol** for various operations like device configuration, health ping, device logs, which reduced latency between device communication by **75%**

PROJECTS

[**SlackPoint**](#) **– gamified Slack Bot**

- Contributed in the implementation of a Slack Bot which gamifies tasks and motivates users to finish their tasks.
- Integrated **Slack API** in Flask to implement various commands like task creation, mark as done, view progress, etc.
- **Documented** the bot commands on **GitHub** along with installation steps and future scope.

[**WolfMedia**](#) **– Database Management System**

- **Designed** the database model for a media streaming service – WolfMedia to manage artists, record labels, songs, podcast, podcast hosts and their payments & subscriptions.
- Developed a **Spring Boot** application to provide endpoints for various operations to manage the streaming service
- **Dockerized** the application for ease of setup and also provided a swagger for the endpoints.

Travel Emergency Response System – Mobile app to locate nearby garages (Final Year Project - Undergraduate)

- Developed an **Android** application to help users stranded at an unknown location due to a vehicular breakdown to find and contact nearby garage or mechanics
- Incorporated **Google Maps** to show the nearby garages within a two-mile radius based on the user's current location
- Integrated **Firebase Cloud Messaging** for inter-device communication via push notifications