ABHISHEK ANIL PATEL

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EDUCATION

Oregon State University, Oregon, USA   **Jan. 2023 – Jun. 2024**
Master of Engineering, Computer Science   **GPA: 3.90/4.0**
Relevant Coursework: Machine Learning, Human-Computer Interaction, Data Science and Tools, Database Management System, Functional Programming Languages, Parallel Programming, Computer Graphics, and Computer Architecture.

Thadomal Shahani Engineering College, University of Mumbai, India   **Aug. 2017 – Jul. 2021**
Bachelor of Engineering, Computer Science   **CGPA: 8.73/10.0**
Relevant Coursework: Data Structures, Algorithms, Operating Systems, Database Management System, Big Data Analytics, Software Engineering, Computer Networks, Graphics, Cryptography and System Security.

PROFESSIONAL EXPERIENCE

Amdocs DVCI, Pune, India   **Aug. 2021 – Sep. 2022**
System Analyst, Master Enterprise Catalog Team – Telefonica, Chile

- Integrated requested data by Telefonica to Amdocs' Master Enterprise Catalog application that helped in pointing quickly, creating, and updating new products, promotions, and multi-play bundles.
- Conducted CRM application testing to enhance system reliability and provided database management support to Production using Oracle SQL.
- Troubleshooted CRM application run-related issues by monitoring UNIX logs and fixed them efficiently.
- Analyzed and updated Telefonica user tickets in BMC Remedy Ticketing System and resolved UAT defects for service-related issues in selecting offers, bill generation or incorrect pricing, resulting in a 30% decrease in ticket volume.
- Interacted with Telefonica-Chile clients, addressed raised tickets and proposed efficient changes to MEC data.

Trivia Softwares, Mumbai, India   **Nov. 2019 – Jan. 2020**
Java Developer Intern

- Developed an Employee Management System with Java Hibernate framework, employing Object Relational Mapping to resolve data mismatch issues. Implemented inheritance, associations, and collections to improve code comprehension.
- Maintained employee records, add, edit or deletion of employee's records in Employee Management System Project.

PROJECTS

Full Stack To-Do Application | *Spring Boot, REST APIs, React, MySQL, Docker*

- Developed a full stack To-Do application with Spring Boot and React, integrating REST APIs for efficient backend-frontend communication.
- Integrated the application with MySQL as a database using Docker and managed the to-do list data for multiple users.
- Incorporated Spring Security with JWT authentication into my application ensuring security across the entire system.

Bike Rider Helmet Detection System | *Python, Machine Learning, Deep Learning*

- Developed a machine learning application using YOLO(You Only Look Once) object detection algorithm and Convolutional Neural Networks for image processing and classification.
- Trained the YOLO algorithm on a dataset of 700 images to accurately detect bike riders with and without helmet in surveillance videos.

E-School - E-Learning website | *Web Technologies*

- Developed a cloud-based learning platform using HTML, CSS, JavaScript, PHP, and MySQL, hosted on Amazon AWS EC2. The platform offered e-books and courses on Computer Science topics.
- Designed and developed web pages for the website, implementing features such as student and admin login, video playback, e-book downloads, and content management.

TECHNICAL SKILLS & CERTIFICATIONS

- **Programming Languages:** Python, Java (OOP), SQL, JavaScript, C, C++, GLSL, Haskell
- **Tools:** Google Cloud Platform(GCP), Amazon AWS, Docker, MySQL, Oracle SQL, PySpark
- **Frameworks:** Spring Framework and Spring Boot (incl. Spring Security, Data JPA and Hibernate)
- **Web Technologies:** HTML, CSS, React
- **Operating Systems:** Unix, Linux, MacOS, Windows
- Master Spring Boot 3 & Spring Framework 6 – Udemy (Link)
- MTA: Introduction to Programming Using Python – Certified 2020 – Microsoft (Link)
- Python for Everybody Specialization – University of Michigan (Link)

EXTRA CURRICULAR ACTIVITIES

- Elected as Human Resource Development Director of Rotaract Club, Thadomal Shahani Engineering College affiliated to the Rotary Club of Bombay Airport. Collaborated with Roshni Foundation, Angel Express Foundations for raising donations and teaching underprivileged students, in 2019.
- Organized Open-Mic event in association with the "Indian Cancer Society" and participated in the tree plantation drives, beach cleaning drives in Mumbai and Graffiti art drawing, organized by NSS and Rotaract Club during 2018 - 2020.
- Awarded as Runner up in Technovation College event, National Service Scheme(NSS), 2019: Presented innovative concept for constructing houses using discarded plastic bottles to aid rural communities.