

ABHISHEK ANIL PATEL

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EDUCATION

Oregon State University, Oregon, USA

Jan. 2023 – Jun. 2024

Master of Engineering, Computer Science

GPA: 3.9/4.0

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 – 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, significantly reducing system downtime, and improving data integrity.
- 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 issues related to 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.

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.

Yelp Business Analysis and Visualization | *PySpark, Dataprep, Dataproc, BigQuery*

- Leveraged Google Cloud Platform tools including BigQuery, DataPrep, and DataProc to wrangle, clean, and analyze a 4GB+ unstructured Yelp dataset, implementing distributed and parallelized computation.
- Engineered PySpark scripts to extract impactful business insights, including identification of top-rated restaurants, category-wise popularity rankings, and highly-rated businesses across the U.S.

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 AND CERTIFICATIONS

- **Languages & RDBMS:** Python, Java (OOP), SQL, JavaScript, C, C++, GLSL, Haskell, MySQL, Oracle SQL
- **Tools:** Google Cloud Platform(GCP), Amazon AWS, Docker, Git, PySpark, Excel
- **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](#))
- AWS Cloud Practitioner Essentials – Coursera ([Link](#))
- MTA: Introduction to Programming Using Python – Microsoft ([Link](#))
- Python for Everybody Specialization – Coursera ([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.