

ABHISHEK ANIL PATEL

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EDUCATION

Oregon State University, Oregon, USA

Jan 2023 – Jun 2024

Master of Engineering in 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.

University of Mumbai, India

Aug 2017 – Jul 2021

Bachelor of Engineering in 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.

TECHNICAL SKILLS AND CERTIFICATIONS

- **Languages & RDBMS:** Java (OOP), Python, SQL, JavaScript, C, C++, MySQL, Oracle SQL
- **Tools:** Google Cloud Platform(GCP), Amazon AWS, Docker, Git, Visual Studio Code, Eclipse, Excel
- **Frameworks:** Spring Framework and Spring Boot (incl. Spring Security, Data JPA and Hibernate)
- **Web Technologies:** HTML, CSS, React.js
- **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](#)]

PROFESSIONAL EXPERIENCE

Amdocs DVCI, Pune, India

Aug 2021 – Sep 2022

System Analyst: Project - Telefonica, Chile

- Debugged software code and conducted CRM application testing to enhance system reliability, resulting in a 25% reduction in system downtime and improved data integrity through database support to Production using Oracle SQL.
- Integrated Telefonica's requested data into Amdocs' Master Enterprise Catalog application, accelerating the creation and update process of new products, promotions, and multi-play bundles by 30%.
- Analyzed and updated Telefonica user tickets in BMC Remedy Ticketing System and resolved UAT defects related to offer selection, bill generation, and pricing inaccuracies, resulting in a 40% decrease in ticket volume.
- Reduced system issues by 20% through proactive monitoring of Unix logs and implementing effective solutions for CRM-related issues.
- 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, JSON, React.js, MySQL, Docker | [[Link](#)]

- 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 | [[Link](#)]

- 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 | [[Link](#)]

- 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 | HTML, CSS, JavaScript, PHP, MySQL, AWS EC2 | [[Link](#)]

- 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.

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 and Angel Express Foundations raising donations.
- Awarded as Runner up in Technovation event by National Service Scheme(NSS), 2019: Presented innovative concept for constructing houses using discarded plastic bottles to aid rural communities.
- 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.