

# ABHISHEK ANIL PATEL

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## EDUCATION

### Oregon State University, Oregon, USA

*Master of Engineering in Computer Science*

**Jan 2023 – Jun 2024**

*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

*Bachelor of Engineering in Computer Science*

**Aug 2017 – Jul 2021**

*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

*System Analyst: Project - Telefonica, Chile*

**Aug 2021 – Sep 2022**

- Debugged software code and conducted CRM application testing to enhance system reliability, significantly reducing 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 46% decrease in ticket volume.
- Reduced system issues through proactive monitoring of Unix logs and implementing effective solutions for CRM errors.
- Interacted with Telefonica-Chile clients, addressed raised tickets and proposed efficient changes to MEC data.

*Associate Developer Trainee*

**Apr 2021 – Aug 2021**

- Gained hands-on-experience in key technologies, including Spring Boot, SOAP and REST APIs, MySQL and JUnit.
- Developed foundational skills in backend development, focusing on practical application of these technologies and preparing for a full-time role in system analysis and software development.

## 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](#)]

## PROJECTS

### Full Stack To-Do Application | Java, 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.