

# ABHISHEK ANIL PATEL

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## EDUCATION

### Oregon State University, Oregon, USA

January 2023 - June 2024

Master of Engineering, Computer Science

GPA: 3.91/4.0

Relevant Coursework: Data Science & Tools, Database Management System, Machine Learning, Functional Programming Languages, Parallel Programming, Computer Graphics, Error-correcting codes, and Computer Architecture.

### Thadomal Shahani Engineering College, University of Mumbai, India

August 2017 - July 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) – Telefonica, Chile (Account)

- Performing integration of requested data by Amdocs' customers in Amdocs application named MEC that is helping in pointing quickly, creating, and updating new products, promotions, and multi-play bundles.
- Conducted CRM application testing and providing database management support to Production using Oracle SQL.
- Troubleshot CRM application run-related issues by monitoring UNIX logs and fixing them in an efficient way.
- Analyzing and updating the tickets created by customers and resolving UAT defects for service-related issues in selecting offers, bill generation or incorrect pricing and solved them within the given time frame (BMC Remedy Ticketing System).
- Interacted with Telefonica-Chile clients, addressing raised tickets & proposing efficient changes to the MEC data.

### Trivia Softwares, Mumbai, India

Nov 2019 – Jan 2020

Java Developer Intern

- Developed an Employee Management System using Java Hibernate framework to study the real time working of the Java framework, solved the data mismatch problem using Object Relational Mapping and supports Inheritance, Associations, Collections and made the code more understandable.
- Maintained employee records, add, edit or deletion of employee's records in Project Employee Management System.

## ACADEMIC PROJECTS

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

- Built a machine learning application using YOLO, an object detection algorithm and an image processing and classification technique called CNN to detect bike riders without helmet in the surveillance videos.
- Collected the data and trained YOLO algorithm with the dataset of 700 images to create the epoch as accurate as possible. Utilized the most accurate epoch further in the surveillance videos to detect bike riders without helmet and with helmet.

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

- Generated a cloud-based learning website named E-School using HTML, CSS, JavaScript, PHP, MySQL, and Amazon AWS EC2 instance, which contained e-books and online courses related to different Computer Science topics for students.
- Designed the web pages for the website and added functionalities such as student login, admin login, playing videos, downloading e-books, add, edit, or delete the contents and hosted the website on AWS EC2 Instance.

### Automatic Attendance System using Facial Recognition | Python, OpenCV, TensorFlow

- Established an automatic attendance system as a very convenient and simple method of taking attendance.
- Applied OpenCV for object detection and marked the person present when detected and stored attendance data in a CSV file with date and time.

## TECHNICAL SKILLS & CERTIFICATIONS

- Programming languages: Python, Java (OOP), SQL, JavaScript, Haskell, C
- Tools: Google Cloud Platform(GCP) Tools, MySQL, Oracle SQL, Oracle 11g Express
- Web technologies: HTML, CSS | Operating Systems: Windows, Linux, Unix, MacOS

## 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.
- Passed Exam 98-381 Microsoft Technology Associate Certified in Python by Microsoft & Certified in "Python for Everybody Specialization" on Coursera by Michigan University.
- 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, arranged by NSS (National Service Scheme), 2019. Represented the most innovative ideas to help people in rural areas and as a team, presented the concept of constructing houses with the help of discarded plastic bottles.