

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: Data Science & Tools, Database Management System, Machine Learning, Human-Computer Interaction, Functional Programming Languages, Parallel Programming, Computer Graphics, Error-correcting codes, 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) – Telefonica, Chile (Account)

- Performing integration of requested data by Telefonica to Amdocs' MEC application 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.
- Troubleshooted CRM application run-related issues by monitoring UNIX logs and fixing them in an efficient way.
- Analyzing & updating the tickets created by Telefonica users, resolving UAT defects for service-related issues in selecting offers, bill generation or incorrect pricing and solving them promptly (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
- **Frameworks:** Spring 6 and Spring Boot 3 (incl. Spring Security, Spring Data JPA & Hibernate)
- **Web Technologies:** HTML, CSS
- **Operating Systems:** Windows, Linux, Unix, MacOS
- MTA: Introduction to Programming Using Python – Certified 2020 – Microsoft.
- Python for Everybody Specialization – University of Michigan.

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.