



Dhiraj Bhanwarlal Choudhary

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OBJECTIVE:

As I navigated my path in engineering, I was drawn to the field of Computer Science. Specifically, I was attracted to its integration of software engineering fundamentals, including application creation, software structure, and coding techniques. The added focus on Python, a prominent programming language in this realm, further solidified my decision. I am confident that this choice will set me up for a thriving career in the ever-changing world of software engineering. Pursuing a M.S. in Computer Science will not only expand my knowledge in software engineering, but also deepen my expertise in software development methodologies, system architecture, and application design. This will position me for a multitude of advanced opportunities in the field. My end goal is to secure a desirable role as a Software Engineer, utilizing my specialized skills in application development, software architecture, and advanced programming tools.

EDUCATION:

- Bachelor of Engineering in Computer Science, Universal College of Engineering, Vasai
CGPI: **8.13/10** Jun 2018 – May 2022
- St. Peters College of English, Jr. College of Science and Commerce
61% in 12th Board Examination Jun 2016 – Apr 2018
- Carmelite Convent English High School
71% in 10th Board Jun 2010 – Apr 2016

RELEVANT COURSES:

During my Bachelor of Engineering in Computer Science, I developed a solid foundation in core subjects essential for pursuing a M.S. in Computer Science Such as Java, C++, and Python, Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, including SQL, and Machine Learning.

SKILLS:

Python, Golang, C, C++, Shell scripting, SQL, PLSQL.

EXPERIENCE:

Tata Consultancy Services, Mumbai - Assistant System Engineer 21 Jul 2022 – 10 Nov 2023

- I served as a backend developer in the Forex team at Clearing Corporation of India, an online trading company. My primary tasks involved implementing new functionalities and modifying existing code to align with client requirements.
- This encompassed tasks such as triggering email notifications through server messages using stored procedures and C++ code, establishing new query processes for message retrieval on the server, creating functionalities for new user creation, writing Shell scripts, and providing production support, including troubleshooting across different teams.

RELEVANT PROJECTS AND INTERNSHIPS:

- | | |
|---|---------------------|
| Major group project: Jhalak – Object Detection for Assistive Vision | Sep 2021 – Mar 2022 |
| Python Course Project: Ecommerce Website using Django framework | Jan 2021 – Mar 2021 |
| C programming and SQL project: Library Queue Management | Oct 2020 – Dec 2020 |

Major Projects:

Title: Jhalak- Object Detection for Assistive Vision

Duration: 1 April 2021 – 20 Sept 2021

Team Size: 3

The aim of our collaborative project, involving a team of three members, is to develop a wearable assistive vision system using Python, OpenCV, a Raspberry Pi, and an overhead camera. The primary objective is to enhance the visual perception of individuals with visual impairments by implementing real-time object detection based on the COCO dataset. Specifically, our system will provide audio or text feedback to aid users in navigating their surroundings effectively, my task was to coordinate overall project development, Develop the core object detection algorithm using OpenCV and Python, Ensure integration of the Raspberry Pi with the camera for real-time processing.

Title: Python Course Project

Duration: 1st Sept – 21st Dec 2020

Team: Individually

The goal of this Python course project was to design and implement a fully functional E-commerce website using the Django framework. Through this project, I aimed to demonstrate a comprehensive understanding of web development with Python, particularly utilizing the Django framework for building dynamic and interactive web applications. The E-commerce website incorporated essential features such as user authentication, product catalogue management, shopping cart functionality, order processing, and payment integration. By completing this project, I intended to showcase my proficiency in backend development, database management, and creating a seamless user experience within the context of an online retail platform.

Title: Project on C & SQL

Duration: 1st Jan – 31st March 2020

Team: Individually

This C programming and SQL project aimed to develop a Library Queue Management system. The project aimed to demonstrate proficiency in C programming and SQL by creating a system that efficiently manages the queue of library users. Key features included user authentication, queue management, and database integration to ensure a streamlined and organized library experience. This project showcased practical skills in C programming and SQL application within the context of a library environment.

TECHNICAL CERTIFICATIONS/PAPERS/PUBLICATIONS:

- Cloud Certification on Google Cloud Certified Associate Cloud Engineer May 2023
- Paper Published on “Jhalak – Object Detection for Assistive Vision”, Dhiraj, Hrishabh, Akhil, Journal of Emerging Technologies, and Innovative Research Apr 2022
- Cloud Certification on AWS Academy Graduate – AWS Academy Cloud Foundations Mar 2022
- Received certification for volunteering in “IETE 5th National Level Project Exhibition Cum Poster & Paper Presentation” at Universal College of Engineering, Mumbai Mar 2019
- Certification on Android Game Development, “MULTICON - W” at Thakur Shyam Narayan College of Education and Research, Mumbai Feb 2019
- Certification on Ethical Hacking at “What after college 2018”, Powered by Microsoft Technology Association and Aakaar, Indian Institute of Technologies, Bombay Sep 2018

ACTIVITIES AND AWARDS:

- Part of winning team of tug of war and Runner up in Kabaddi, Sports Fest “Aurora”, Universal College of Engineering. Jan 2022
- Served 3 years in the Student council of Discipline committee for various college fest like ‘Vyro’, ‘Jr.Vyro’, ‘Tantrotsav’ 2018- 2021

- Attended a 1-day workshop on Artificial Intelligence and Data science, by Imarticus Learning, Universal College of Engineering. Jul 2020
- Attended a 2-day workshop on Android Game Development by MULTICON - W, at Thakur Shyam Narayan College of Education and Research. Feb 2019
- Volunteered in “IETE 5th National Level Project Exhibition Cum Poster & Paper Presentation” at Universal College of Engineering, Mumbai. Mar 2019
- Attended a 2-day workshop on Ethical Hacking by Powered by Microsoft Technology Association and Aakaar in IIT Bombay. Sep 2018