



DHRUV PATHAK

501-Pleasant View, Vashi, Navi Mumbai, Maharashtra, India 400703 · 9819875816 ·
dhruvpathak12@gmail.com

www.linkedin.com/in/dhruv-pathak-6ab0a916a/

www.github.com/dhruvpathak1

<https://dhruvpathak.netlify.app/>

ACADEMIC QUALIFICATION

B. Tech Computer Engineering, NMIMS' Mukesh Patel School of Technology and Management, Mumbai [3.65/4 CGPA]

WORK EXPERIENCE

1. CYBER ANALYST, KPMG, 6TH JUNE 2022 – PRESENT, 2023

- Spearheaded and managed team projects in third-party risk management, ensuring compliance and mitigating potential risks.
- Collaborated with BFSI clients to develop and implement cybersecurity regulations and monitoring protocols.
- Played a pivotal role in crafting information security and cloud policies in alignment with ISO standards, enhancing data protection and system integrity of the clients.
- Contributed in formulation and submissions of technical proposals and mentored colleagues within the organization.

INTERNSHIPS

1. SOFTWARE ENGINEERING, BAUD RESOURCES, 9TH AUGUST 2021 – 30TH NOVEMBER 2021

Designed and created an ERP software with automated Google Sheets using App Script. Designed a warehouse interface for Google Sheets data management and implemented a financial model GUI.

2. ROBOTICS, PBOPLUS, 3RD MAY 2021 – 9TH JULY 2021

Executed Raspberry Pi Projects: security system with a camera and motion sensor, a smart LED system with a Tkinter GUI, and a gyroscope sensor for measuring coordinate, acceleration, and temperature.

3. MARKETING, BEWAKOOF, 15TH MAY 2021 – 30TH JUNE 2021

Managed Facebook paid ads, reaching a 7 lakh spend, while achieving a 10% CPA reduction through continuous experimentation. Utilized Google Analytics and Branch.io for ROI tracking. Conducted a case study comparing competitors' website for analysis.

ACADEMIC/RESEARCH PROJECTS (AVAILABLE ON GITHUB)

1. Unmanned Rover with Remote Location Control and Semi Automation (Raspberry Pi, Arduino Uno), 2021 – 2022

A remotely controlled rover accessible through a website, providing a live camera feed, object detection, and real-time data from various sensors capturing data stored on a cloud database. The rover can operate in semi-automatic mode, capable of object avoidance without any manual controls. The website also displays real-time graphs with continuous updates from the sensors.

2. Options Trading (Python, Yahoo Finance API), 2020

The program makes Yahoo Finance API calls for user-added stocks at hourly intervals, fetching stock data in JSON format. It identifies PUT Options with expiration dates between 35 to 50 days using epoch time and filters based on strike prices ranging from 70% to 110% of the current stock price.

3. Lane and Object Detection in GTA V (Python, OpenCV), 2020

Implemented combination of You Only Look Once Algorithm for object detection and the Hough Transform Algorithm for lane detection on a video game (GTA V) to simulate real-life self-driving models.

4. Interestment Website (HTML, CSS, JS, Firebase), 2021

A responsive innovative stock website using Firebase for user log-in and sign-up, offering personalized stock recommendations based on user interests. The site provides a search function displaying five days of historical global stock data and enables users to easily manage their watchlists by adding or removing stocks stored in a database.

5. **Doctors Prescription Page, 2021**

A webpage designed for dentists to streamline prescription writing, featuring a user-friendly UX/UI with headers and footers. The page simplifies the process with pre-categorized medicines and a dropdown selection feature, making it quicker and more efficient for doctors.

6. **E-Waste Website (Gatsby JS, Heroku), 2020**

A static website featuring on-scroll animations, integration with Google My Maps, and a third-party AI chatbot that adapts its responsiveness based on screen resolution.

7. **Pharmacy Database Management (Python, Tkinter, MySQL), 2020**

A Tkinter GUI app powered by MySQL database with two interfaces (customer and hospital accounts) with tracking stock inventory feature. It offers real-time medicine status updates on stock availability, shelf location, and expiration dates, while also maintaining purchase history and generating bills.

TECHNICAL SKILLS

Data Structures and Algorithms; Programming in Python, C++, Java; Basic HTML, CSS, JavaScript, Gatsby; Microsoft Office (Word, Excel, PowerPoint), MySQL, AutoCAD

AWARDS AND ACHIEVEMENTS

1. Kudos Award for dedicated and meaningful work at KPMG (*March 2023*)
2. Awarded **Star Volunteer** for my contributions, dedication and commitment towards Ash Initiative NGO (*2020*)
3. 1st Runner Up, Social Conclave (*2019*), an event held by NMIMS in collaboration with UNICEF

CERTIFICATION

1. Web Design for Everybody: Basic Web Development & Coding, Coursera, University of Michigan (5 Courses: HTML5, CSS, Advanced Styling with Responsive Design, JavaScript and Web Design Capstone)
2. Bootstrap 4, Coursera, Hong Kong University of Science and Technology

PUBLICATIONS/PRESENTATIONS

1. Publication: A comprehensive survey on AIoT integrated smart health cities. AIP Conference Proceedings, 2023
2. Publication: Role of Various Stakeholders in Application of Artificial Intelligence to Forensic Odontology- A Potential Perspective, Annals of Dental Specialty Annals of Dental Specialty, 2021
3. Presentation: Guest Speaker at MGM Dental College (*27th October, 2021*) for presenting 'Cybersecurity: Understanding and Methodology' to 100+ avid listeners.

EXTRACURRICULAR ACTIVITIES

1. **VOLUNTEER, ASH INITIATIVE NGO, MAY 2020 – AUGUST 2020**
Raised awareness on Black Lives Matter and Self Harm. Promoted Skill Day for mental stress reduction during Covid-19.
2. **BUSINESS DEVELOPMENT AND MARKETING EXECUTIVE, INNOVATION AND ENTREPRENEUR CELL, AUGUST 2018 – APRIL 2019**
Organized and managed the annual fest 'Inceptio' with a 350-450 footfall, held to educate and encourage students towards entrepreneurship and businesses. Landed sponsorship multiple deals (Pillsbury, Bisleri, The Souled Store, Frapp etc.).