

DHRUV RAO

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Education

University of Connecticut

Master of Science in Computer Science

Expected May 2024

Storrs, CT

Visvesvaraya Technological University

Bachelor of Engineering in Computer Science

August 2017 - August 2021

Bengaluru, IN

Experience

University of Connecticut

Graduate Teaching Assistant

January 2023 – Present

Storrs, CT

- Handling two weekly lab sessions and guided nearly 70+ students.
- Holding regular office hours twice every week for Student support, questions and offering students constructive feedback to excel in the course.
- Engaged in Grading assignments, mid-term exams, and final exams for a class of nearly 120+ students.

Zerozilla Infotech Pvt. Ltd.

Web Developer Intern

March 2021 – April 2021

Bengaluru, IN

- Worked on the development of a house-price detection website by collaborating with team members through a version control system(Git) to organize tasks and modifications effectively.
- Implemented a script for automated email reporting to clients, optimizing task visualization through exploration boosting accuracy by 25% and reducing the processing time by nearly 40%.
- Designed web pages aligning with client specifications ensuring optimal client satisfaction.
- Created and tested APIs using POSTMAN to facilitate seamless CRUD operations on customer databases.

LegalEase Technologies Pvt. Ltd [Start-Up]

Full-Stack Developer Intern

May 2020 – July 2020

Delhi, IN

- Collaborated with a team and successfully developed a sleek website, enhancing the company's online presence.
- Tailored a user-friendly interface with an optimized checkout page, resulting 33% increase in customer satisfaction rate.
- Conducted extensive testing and crafted a user interface to ensure multi-browser compatibility.
- Utilized MySQL for database queries, achieving a 20% improvement in data retrieval efficiency.

Projects

Fashe | Django, PostgreSQL, Python, HTML, CSS

- Established Fashe, an online shopping portal with features enabling the purchase of all kinds of fashion products.
- Built a recommendation system for the selected products and automated invoice delivery to users' emails for purchases.

SwiftServe Finance | Java, JavaFX, MySQL, NetBeans

- Developed a paperless account opening software using Java and JavaFX, resulting in a 40% reduction in paperwork.
- Enhanced transaction tracking efficiency by 33% through centralized account management using National/Unique ID.

Insta Card | HTML, CSS, JavaScript, PHP, MySQL

- Engineered an optimized website for seamless credit/debit card applications, achieving a 50% reduction in processing time and also added functionality for efficiently applying for bank loans.
- Implemented a conversational chatbot for tech support also allowing the user to check updated credit score.

Technical Skills

Programming Languages: Python, JavaScript, Java, PHP, HTML/CSS, SQL, Shell, Bash

Frameworks: Django, Flask, GraphQL, FASTAPI

Tools/Technologies: Linux, Git, GitHub, WordPress, POSTMAN

Database: MySQL, PostgreSQL, MongoDB, SQLite

Achievements

- Attained 1st position in Computer Science department, securing selection for VTU Financial Assistance for Innovative Project, recognized for consistent excellence in competition theme.
- Participated in the creation of a standout mini-game at the HaXploit 24-Hour Hackathon, receiving recognition from the board members.
- Led project team to success and authored a captivating paper for CiiT International Journal of Digital Image Processing, blending leadership and scholarly excellence.