

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

- Led two weekly lab sessions, guided 70+ students, and provided regular office hours for questions, support, and feedback.
- 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

Bangalore, IN

- Built a house-price prediction portal as part of an Agile team using Git version control system and Python as the backend.
- Implemented a script for automated email reporting to clients, optimizing task visualization 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.

Legal Ease Technologies Pvt. Ltd [Start-Up]

Full-Stack Developer Intern

May 2020 – July 2020

Delhi, IN

- Collaborated with a team and successfully developed a sleek official website, enhancing the company's online presence.
- Tailored user-friendly interface with an optimized checkout page, resulting in 33% increase in customer satisfaction rate.
- Performed extensive testing and crafted a user interface to ensure optimal compatibility across multiple browsers.

Projects

Bitcoin-Oracle | Python, LSTM, RNN, JSON, NumPy, Pandas

- Utilized the Yahoo Finance API to programmatically extract and parse required financial data from JSON format.
- Analyzed five years of historical data, preprocessed extensive historical Bitcoin price data, enabling informed decisions in the volatile crypto market.
- Secured a remarkable 78% accuracy rate in Bitcoin price forecasting using Deep Learning and LSTM neural networks.

Covid-Finder | Python, TensorFlow, CNN, Keras, Flask

- Engineered a rapid COVID-19 detector website by employing sample images to train the Convolutional Neural Network getting an accuracy of 93%, validated across nearly 10,000 sample images.
- Managed a real-time global COVID-19 virus statistics visualization, displaying active cases, deaths, and recoveries on a world map.

Swift-Serve Finance | Java, MySQL, Net Beans

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

Preditify | Python, NumPy/Pandas, Scikit-learn, Flask, Git

- Achieved an 82% accuracy rate in loan approval decisions by rigorously comparing diverse Machine Learning techniques.
- Accomplished the development of a linear model for classifying users' loan eligibility, considering factors such as education, marital status, salary, employment status, and age

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

- Engineered an optimized website for seamless credit/debit card applications, achieving a 50% reduction in processing time.
- Leveraged the architecture of bank loan application by introducing a tech support chatbot with credit score checks.

Technical Skills

Python, JavaScript, Java, HTML/CSS, SQL, Git, Django, React.js, Flask, GraphQL, FASTAPI, WordPress, GitHub, Node.js, POSTMAN, MySQL, PostgreSQL, MongoDB, NoSQL, SQLite, NumPy, Pandas, Matplotlib, Seaborn, Pillow, TensorFlow, Keras, Scikit-Learn, CI/CD Development, Automation, Unit Testing, Apache Kafka.