

Dhruv Sharma

Bangalore, 560037 | +919667753699 | dhruvsharma0723@gmail.com | linkedin.com/in/dhruvsharma2307/

EDUCATION

CMR Institute of Technology

Bachelor of Engineering in Electronics and Communication

GPA: 7.77/ 10.0 (Pursuing)

Bangalore, India

2020-2024

WORK & LEADERSHIP EXPERIENCE

AssisTech Foundations

Research & Development Associate

Bangalore, India

Oct 2023 – Dec 2023

- Spearheaded exploration of cutting-edge assistive technologies, patents, and publications.
- Secured funding through 3+ successful proposals submitted to government agencies.
- Orchestrated and delivered research projects, driving the creation of 5+ impactful reports.

Predict Growth

Product Development Intern

Bangalore, India

June 2023 – Sept 2023

- Collaborated with the development team to execute QA testing on the product, completing 200 test cases.
- Authored 10+ user stories and 5+ knowledge base documentation for the product.
- Assisted the development team in implementing prompt engineering concepts for AI feature integration, contributing to 10 AI feature implementations.

HCL Technologies

Platform Development Intern

Bangalore, India

Jan 2023 – March 2023

- Attained hands-on proficiency in foundational web development technologies, including HTML and CSS, through completion of over 15 hours of training.
- Accomplished designated front-end assignments, actively fostering the creation of user-centric and aesthetically pleasing web solutions, leading to a 20% enhancement in user experience and the delivery of 10 projects.

CoE- Materials Sciences and Nanoelectronics, CMRIT

Research and Development Intern

Bangalore, India

Feb 2021 – Sep 2021

- Designed a cost-efficient biosensor with nano substances, achieving a 30% cost reduction, for Catechol detection in wastewater.
- Detected phenolic compounds with high sensitivity, achieving detection limits of 1 ppb using PEEK cavity-based nano electrodes via amperometry.

PROJECT WORK

Medical Image Processing, Disease Prediction and Report Summarization using Generative Adversarial Networks and AIML for Neurological Disorders

- Implemented the Support Vector Machine (SVM) algorithm for precise binary classification of the dataset.
- Generated concise summaries and offered personalized recommendations for patients based on the predictive results.
- Working on increasing the accuracy and precision of MRI Images.
- Implementation of medical image processing using Generative Adversarial Networks and python libraries

RESEARCH PUBLICATIONS

- Electrochemical Detection of 1, 2-Benzenediol Using NiO Nanocrystal Modified Graphite Based PEEK Electrodes. - <https://doi.org/10.1016/j.matpr.2021.05.418>
- Automated Hydroponics System to Study Nutrient Allocation and Plant Responses in a Controlled Environment. - <https://doi.org/10.1109/IDCIoT56793.2023.10053508>

PATENT PUBLICATIONS

- Electronic vote registering Method and Electronic vote registering Machine - Application Number: 202341027834
- Vote from anywhere, everywhere- A voting machine and system - Application Number: 202341043570.

SKILLS & INTERESTS

Awarded with prestigious CMR Leadership Award 2023 from CMR Group of Institutions

Technical Skills: C++, Python, User Experience, Market Trend Analysis, Project Coordination, Strategic Planning, Product Development and Marketing, Technology Integration, Excellent Verbal Communication Skills, MATLAB

Database & Tools: JIRA, MySQL

Extra-Curricular: Junior Cultural Secretary (Student Council), Vice President (Theatre Club, CMRIT)