DHRUV SOOD

GRADUATE STUDENT

CONTACT

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SKILLS

- C++
- SQL
- Python
- Machine learning
- Project management
- Webdevelopment
- Java
- Flutter

EDUCATION

Master's In Information Systems

New York University, NY

2023-2025

- Fundamental Algorithms
- Database Systems
- Foundations of Finance

B.Tech in Information Technology

Vellore Institute Of Technology, Vellore, TN

2019-2023   **8.77/10 CGPA**

- OOPS
- Database Management System
- Information Security Management
- Software Testing
- Software Project Management
- Human Resource Management

PROFILE

Resourceful, diligent, and task-driven Information Systems graduate student at New York University looking for opportunities to grow. With 15+ projects (including both big and minor projects) and 2 published papers, with 1 more under review, I possess the capability to work both autonomously and collaboratively, and I am always seeking opportunities to enhance my skills and deliver exceptional performance.

WORK EXPERIENCE

SDE Intern

Ernst & Young   2022-2023

- I developed the "Pro Lens" app using Flutter and machine learning. It can accurately scan and identify objects with an unmatched 98% accuracy.
- The app's user-friendly interface allows quick access to user manuals related to the recognized objects. I fine-tuned the YOLOv8 model, optimized performance, and ensured robustness through rigorous testing.
- "Pro Lens sets a new standard in the market for its real-time object detection capabilities.

Teaching Assistant

Coding Ninjas   2021-2022

- Key responsibilities during the internship were -
  - Taking doubt sessions
  - Debugging codes
  - Helping students in their assignments & various projects.

SAP Trainee

Digital Solutions Pvt Limited   Aug '21 - Sept '21

- I had the opportunity to acquire practical experience in SAP ERP, with a focus on modules like SAP HRM, SAP PP, SAP MM, SAP FSCM, and SAP SD.
- My expertise includes data management, reporting, and business process integration.
- I am enthusiastic about applying these skills in the ever-evolving landscape of enterprise technology.

Software Tester Intern

Zamroo : The Selling Application   June '21 - Sept '21

- I worked as a software tester, responsible for ensuring the quality of both web application and mobile application.
- I created test plans, executed test cases, identified and reported bugs, and collaborated with the development team.
- Additionally, I maintained test documentation and explored test automation.
- It was a valuable experience in software testing and quality assurance.

RESEARCH WORK

A Performance Enhancement of Deepfake Video Detection through the use of a Hybrid CNN Deep Learning Model

International Journal of Electrical and Computer Engineering Systems, Volume 14 No.2   2023

- In this paper, a system is developed that uses a hybrid Convolutional Neural Network (CNN) consisting of InceptionResnet v2 and Xception to extract frame-level features.
- Experimental analysis is performed using the DFDC deep fake detection challenge on Kaggle.
- These deep learning-based methods are optimized to increase accuracy and decrease training time by using this dataset for training and testing. We achieved a precision of 0.985, a recall of 0.96, an f1-score of 0.98, and support of 0.968.

Image Steganography Using CNN

International Research Journal of Engineering and Technology, Volume 09 Issue 02   2022

- Designed a novel technique to hide an image inside another image more efficiently.

MAJOR PROJECTS

- **Pro Lens**: Warning Light Recognition   [2023]
- **Deepfake Detection** [2022]
- **Image Steganography** [2022]
- **Mastering Project Management Of A Product**: From Idea to Fulfillment [2022]
- **A Comprehensive Marketing Plan of Company** [2022]
- **Software Testing**: Evaluating a Self-Developed Web Application [2021]
- **Real Estate Management System** [2020]

EXTRA CURRICULAR

- Gold Level NASSCOM certificate in Artificial Intelligence[August 2021]
- Gold Level NASSCOM certificate in Cloud Computing [August 2021]
- Member of VentureOps [2019-2021]
- Volunteer in CSR NGO [2019-2020]
- National Cadet Corp [2015-2017]
- Swimmer and Gym-goer
- Enjoys music and playing guitar