Dhruv Sood

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EDUCATION

New York University, NY   May 2025
Master of Science, Information Systems
Relevant Coursework: Fundamental Algorithms, Database Systems, Foundation Of Finance

Vellore Institute Of Technology, Vellore, Tamil Nadu   June 2023
Bachelors of Technology, Information Technology
Relevant Coursework: OOPS, SQL, Data Mining, Artificial Intelligence, Project Management

TECHNICAL SKILLS

- Problem Solving
- Critical Thinking
- Research Skills
- Data Visualization
- Quantitative Analysis
- Software Development Life Cycle
- Jira
- C++
- Python

PROJECTS

Mastering Project Management   Fall 2022
- Designed a whole plan for a product from ideation stage to project closing.
- Responsible for ensuring the quality of both web application and mobile application
- Applied concepts such as project constraints, risk management, Critical Path method, Program Evaluation and Review Technique.

Deepfake Detection (Python)   Fall 2021
- Developed an ensemble model with an exceptional accuracy rate of 98.5% for detecting deepfake images and videos.
- Evaluated the model using precision-recall curves, ROC curves, and F1 scores, showcasing its effectiveness in distinguishing between real and manipulated media.
- Created a custom dataset and executed all the necessary procedures involved in data manipulation.
- Published a research paper in a well know journal elucidating the novel technique.

Real Estate DBMS Project (SQL)   Fall 2020
- Designed and developed a Database Management System (DBMS) for a real estate management system using MySQL.
- Led a cross-functional team, overseeing system design, database schema creation, and data modeling.
- Handled scalability by incorporating a modular architecture, accommodating future growth in the real estate portfolio.
- Conducted usability testing to ensure a user-friendly interface, resulting in a improvement in user satisfaction.

EXPERIENCE

Software Engineering Intern: *Ernst & Young*, Gurgaon, India   Sept 2022 – April 2023
- Developed a mobile application using Flutter and machine learning which can accurately scan and identify objects with an unmatched accuracy of 98%.
- Collaborated closely with UX/UI designers to incorporate user-centric design principles, resulting in an intuitive and visually appealing interface that enhances user engagement.
- Implemented comprehensive testing and validation procedures, including the development of a robust testing suite to validate the model's accuracy and reliability, with a focus on mitigating false positives and negatives.
- Executed agile development of project timelines, system flow diagrams, documentation, testing, and ongoing support of systems.
- Prioritized modifications to processes and procedures, and contributed to best practices, architecture, and implementations.

Software Tester Intern: *Zamroo,* Noida, India   June 2021 – Sept 2021
- Delivered on-demand technical support for a staff of 50 across the entire department.
- Created test plans, executed test cases, identified and reported bugs.
- Conducted thorough regression testing to confirm the stability of the software after code changes, reducing the risk of regressions and ensuring consistent quality of both web and mobile application
- Demonstrated proficiency in industry-standard testing tools and methodologies, including JIRA for bug tracking, Selenium for test automation, and Agile testing practices.

ADDITIONAL LEARNING

- Product Management Essentials – *University Of Maryland*   Aug 2023
- Artificial Intelligence Foundation – *Gold Level Certificate by Nasscom*   Aug 2021
- Machine Learning and Deep Learning in Python & R – *Udemy*   Aug 2021