Ninad Deo
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Education

- **Texas A&M University** — College Station, TX
  Master of Science in Data Science(Computer Science Track); GPA: 4.00/4.00 — *Aug. 2024 - Dec. 2025*
- **College of Engineering Pune** — Pune, India
  Bachelor of Computer Engineering(Honors in Data Science); GPA: 3.55 (8.61/10.0) — *Jun. 2020– May. 2024*

Experience

- **Microsoft Inc.(Formerly Nuance India)** — Pune,India
  Software Development Intern — *May 2023- July 2023*
  - **Software Testing and Interface Development**: Contributed to developing and testing a new interface post-Microsoft acquisition, resolving 5 key tickets individually and 2 in a team, achieving 18% of the product milestone. Gained expertise in Python, Cucumber, and Playwright, with efficient project management in Jira.
- **College of Engineering Pune** — Pune, India
  Mindspark Event Head — *Feb 2022-Feb 2023*
  - **Event Management**: Organized a successful event with over 200 participants, coordinating two rounds (offline and online). Managed event logistics, content creation, and finances with sponsor partner Centiro.

Publications

- **Non-Intrusive Detection of Poultry Diseases through Faecal Analysis(ICITIIT'24 Kottayam)**
  ieeexplore.ieee.org/abstract/
  - **Brief**: Studied the influence of diseased poultry chicken consumption on Human Health and applied deep learning models that determine the poultry fraction infected with diseases based on features obtained from fecal images. Techniques like Region of Interest Extraction, Principal Component Analysis, and Image Augmentation were employed to maximise the performance of the models
- **Unmasking Deepfakes-Harnessing the Potential of 2D and 3D Convolutional Neural Network**
  ieeexplore.ieee.org/abstract/
  - **Brief**: Combined 2D and 3D Convolutional Neural Networks coupled with Data Analytics to verify video authenticity in deep fake detection, a pertinent problem in today's social-media-laden lifestyle.

Hackathons

- **TAMU DATATHON**
  https://www.tamudatathon.com/
  - **Brief**: Achieved Top 5 placement at the TAMU DATATHON (Texas A&M University and Major League Hacking), where I developed a solution leveraging the Google Earth Engine dataset to map cotton field acreage. Attained 87% accuracy utilizing UNet architecture, demonstrating expertise in geospatial analysis and deep learning.

Projects

- **BRT-Lane-and-Four-Way-Traffic-Management using Computer Vision**
  https://github.com/Ninad/BRT
  - **Brief**: Utilized Computer Vision and Machine Learning concepts to build a model that tackles a long-standing problem of detecting drivers not obeying rules that are difficult to monitor like WrongLane driving, SeatBelt enforcement, and Bus-Rapid-Transit Driving
- **NoDUES-A web application for COEP Technological University Students**
  github.com/Ninad/NoDUES
  - **Brief**: Developed a Django-based web app to automate the No Dues process at COEP and other state colleges, using SQLite for the database and HTML/CSS/JavaScript for the front end, streamlining the procedure for students and faculty.

Skills

- **Languages**: Python, C, C++, SQL, HTML, CSS, Javascript
- **Technologies**:MySQL,Github,Matplotlib,Sklearn,Tensorflow,PyTorch,Numpy