

Nitin Sai Bommi

🏠 Los Angeles, CA

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📖 Education

University of Southern California

Los Angeles, US

Master of Science in Computer Science (Artificial Intelligence)

2023–2025

University of Hyderabad

Hyderabad, IN

Integrated Masters in Computer Science - Topper with 9.71/10 GPA

2018–2023

Coursework: Data Structures & Algorithms, Database Management, Probability & Statistics, Machine Learning

👜 Experience

University of Calgary

Calgary, CA

Research Intern

Jun 2022–Sep 2022

- Conducted an extensive review of relevant literature to gain comprehensive insights into the subject matter.
- Developed a tokenizer to parse and analyze code data.
- Trained CodeBERT and GrahCodeBERT models on the CodeXGLUE dataset to improve the reliability and understanding of the models.

University College Dublin

Dublin, IE

Research Intern

Oct 2021–Feb 2022

- Achieved a remarkable 5% improvement in the performance of the object detection algorithm using a data-centric approach, resulting in enhanced accuracy and efficiency without the need for architectural modifications or model retraining.
- Developed and deployed an application, making it accessible to users at <http://jresearch.ucd.ie/nitin/>.

💻 Projects

SCIS Forum - <https://github.com/nitin-bommi/scis-forum>

- Developed a shared platform to share information with the whole university.
- Used AI techniques to allow the user to login through face and filter unparliamentary words in posts.
- Embedded AI techniques to monitor the content and inappropriate activity.

Cheating Detection System - <https://github.com/nitin-bommi/cdt>

- The software aims to build a cheating detection system to improve the standards of online exams, ease the load on teachers and ensure exams' integrity by confirming the student's identity and monitoring them through a webcam.
- Presented at a tech fair, won the first prize, and many high-profile judges showed immense interest.

No Code AI - <https://github.com/nitin-bommi/machine-learning-interface>

- An interactive machine learning tool where you can: drop off your files, choose the features you want to train on, preprocess the data as you wish, choose your model, tune the hyperparameters and compare models without writing a single line of code.
- Successfully inspired my classmates and juniors by driving their interests toward AI.

👋 Skills

Languages: Python, Java, C, Bash

Frameworks: NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow, PyTorch

Databases: MySQL, MongoDB

DevOps: Git, Docker

Soft: Teamwork, Adaptability, Time management, Problem solving

🏆 Awards

Smart India Hackathon, 2nd Place

Jan 2022

IIT Bombay Techfest, 2nd Place

Feb 2022

Archetype, Winner

Nov 2021

School Topper, 93.17%

May 2016

👤 Volunteering

Notetaking Assistant, arXiv Accessibility Forum

Apr 2023