

ANISH NANDAMURI

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EDUCATION	UNIVERSITY OF MICHIGAN College of Engineering and Ross School of Business Computer Science (BSE) and Bachelor of Business Administration (BBA), May 2028 • Courses: Intro to AI/C++, Intro to Engineering, Discrete Math, Intro to Business	Ann Arbor, MI
	INTERNATIONAL ACADEMY OF BLOOMFIELD HILLS International Baccalaureate, May 2024 • 4.42/4, ACT: 36 Dual Enrollment: Statistics, Calc II, III, Linear Algebra	Bloomfield Hills, MI
EXPERIENCE	MICHIGAN DATA SCIENCE TEAM ML Software Developer • Deployed pre-trained custom Computer Vision models like Roboflow to analyze 50+ soccer matches, tracking formations/movements, ball possession, pass accuracy, shot trajectories. • Extracted advanced metrics such as distance covered by players, heatmaps of player activity, and team shape dynamics during offensive and defensive plays throughout the soccer game. • Designed algorithms to detect and classify key events like goals, fouls, interceptions, etc.	Ann Arbor, MI
2024-Present	MICHIGAN MARS ROVER TEAM AI Software Developer - Autonomy Team • Working in C++ to develop autonomous movement capabilities for our Mars Rover. • Implemented a CUDA-accelerated algorithm to process incoming obstacle data and determine a clear path for the rover to travel, improving its autonomous navigation capabilities by 20%. • Collaborated with teammates to test and integrate code into complex, large-scale codebase. • Enhancing user testing interface by implementing point-and-click functionality for 3D point cloud visualized in 2D screen space, applying linear algebra techniques to determine depth.	Ann Arbor, MI
2023-2024 Action-Based Learning	WAYNE STATE UNIVERSITY ML Research Assistant • Conducted a comparative study on Professor Liu's brif and bsnsing packages' testing time, training time, inference time, and ROC AUC against packages like Scikit-Learn and XGBoost. • Developed custom scripts to preprocess and clean large datasets and analyzed 100k+ data values testing brif (random forests) & bsnsing (optimal decision tree splits) using R & Python. • Utilized advanced visualization tools in R (ggplot2) and Python (Matplotlib, Seaborn) to present insights and model performance metrics to faculty.	Detroit, MI
2020-2024 Action-Based Learning	MODEL UNITED NATIONS CLUB @ INTERNATIONAL ACADEMY President • Led 200+ members at academic conferences where delegates learn about global issues and debate to mitigate them, focusing on diplomacy, steelmanning, strategy, and crisis resolution. • Coordinated logistics and budgets with our club advisors, chaired mock/real conferences, and developed example position papers and Parli Pro guides, leading many to win at conferences. • Organized annual MUN boot camps for new members and local middle school teams and coordinated team fundraisers and sponsorships with local businesses.	Troy, MI
2022-2024 Part-time	NAMASTE RESTAURANT Crew Member • Collaborated with a team to ensure daily service goals were met, engaged with customers, assisted customer service, opened and closed facility, and handled missing or incorrect orders. • Executed 100s of positive customer interactions, made sales an experience for our customers, supported our team's tips, and promoted brand equity for the company.	Canton, MI
ADDITIONAL	• Languages: English (Native), Telugu (Native), Spanish (Proficient) • Hobbies: Skiing/Lifting/IM Football/Swim, casual poker, chess, and watching football and hockey(huge Detroit Lions and New Jersey Devils fan). • Service: [300+ hours] Teaching kids STEM skills through fun crafts through UsForThem Inc. • Awards: Coca-Cola Scholars Program Regional-Finalist, Troop 743 Eagle Scout, Daily Point of Light Award & PVSA Gold x2, OpenEDG Python Certified, National Merit Finalist, University of Michigan Regents Merit Scholarship	