

# ANISH NANDAMURI

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<b>EDUCATION</b>	<b>UNIVERSITY OF MICHIGAN</b> <b>College of Engineering and Ross School of Business</b> Computer Science (BSE) and Bachelor of Business Administration (BBA), May 2028 • GPA: 3.51   Courses: Intro to AI/C++, Intro to Engineering, Discrete Math, Intro to Business	<b>Ann Arbor, MI</b>
	<b>INTERNATIONAL ACADEMY OF BLOOMFIELD HILLS</b> International Baccalaureate, May 2024 • 4.42/4, ACT: 36   Dual Enrollment: Statistics, Calc II, Calc III, Linear Algebra • Awards: Coca-Cola Scholars Program Regional-Finalist(250/103,000), Troop 743 Eagle Scout, Daily Point of Light Award & PVSA Gold x2, National Merit Finalist, Regents Merit Scholarship	<b>Bloomfield Hills, MI</b>
<b>EXPERIENCE</b>	<b>MICHIGAN DATA SCIENCE TEAM</b> <b>ML Software Developer</b> • 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	<b>Ann Arbor, MI</b>
<b>2024-Present</b>	<b>MICHIGAN MARS ROVER TEAM</b> <b>AI Software Developer - Autonomy Team</b> • Worked in C++ to develop autonomous movement capabilities for our team's 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	<b>Ann Arbor, MI</b>
<b>2024-Present</b>	<b>WAYNE STATE UNIVERSITY</b> <b>ML Research Assistant</b> • 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 for future package developments	<b>Detroit, MI</b>
<b>2023-2024</b>	<b>MODEL UNITED NATIONS CLUB @ INTERNATIONAL ACADEMY</b> <b>President</b> • Managed 200+ members at academic conferences where delegates debate global issues to mitigate them, focusing on diplomacy, steeldmanning, strategic thinking, 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 5 annual MUN boot camps for new members and local middle school teams and coordinated team fundraisers and sponsorships with local businesses to fund our delegation	<b>Troy, MI</b>
<b>2020-2024</b>	<b>NAMASTE RESTAURANT</b> <b>Crew Member</b> • Collaborated with a team to ensure daily service goals were met, took orders, provided customer service, opened and closed facilities, and handled missing or incorrect orders • Executed 100s of positive customer interactions, engaged with customers, made sales an experience for our customers, supported our team's tips, and promoted brand equity	<b>Canton, MI</b>
<b>2022-2024</b> <b>Part-time</b>		
<b>ADDITIONAL</b>	• Languages: English (Native), Telugu (Native), Spanish (Proficient) • Hobbies: Skiing, lifting, IM football, swimming, paintballing, 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.	