Deev Kadakia

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Education

New Jersey Institute of Technology (NJIT) **2022 - 06/2027**

Major: Mechanical Engineering

Minor: Engineering Innovation, Drone and Robotics Engineering

Technical Skills

CAD Software: Fusion 360, Creo, AutoCAD, SolidWorks
Programming: Python, MATLAB
Engineering Tools: Arduino, Micro:bit, Jupyter Notebook, Visual Studio
Other Software: Excel, Photoshop, Google Workspace

Experience

ED+C Group INC – Intern **02/2024-08/2025**

- Assisted in HVAC system coordination, field inspections, project budgeting, and subcontractor communication across multiple commercial construction projects.
- Created and revised AutoCAD electrical and floor plans to support project execution and construction documentation.
- Mentored new interns through project guidance and onboarding.

First Robotics Competition Team 1923 & 1914 **09/2018 – 06/2022**

- Led design and fabrication efforts for competitive FIRST Robotics robots, contributing to mechanical design, assembly, testing, and troubleshooting.
- Utilized CNC machining, metalworking equipment, and manufacturing techniques to produce robot components.

Sigma Pi- Alpha Mu Fraternity Vice President **09/2023 – 11/2024**

- Oversaw 15 committees (fundraising, philanthropy, design, rush, etc), ensuring smooth operations and organizing monthly events.
- Improved member communication through organizational planning, scheduling, and leadership initiatives.

Projects

Smart Home Automation System

- Developed a Micro:bit-based smart home integrating environmental sensors, servo actuators, LCD displays, and automated control systems while performing system integration and troubleshooting.

Wireless Battleship Game & Machine Learning Analysis

- Developed a wireless Micro:bit game featuring radio communication, motion-based controls, LEDs, and audio feedback while designing a custom CAD enclosure and applying KNN machine learning to analyze gameplay data.