

Tanmay Panchpor

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U.S. Citizen

EDUCATION

Purdue University | Bachelor of Science in Mechanical Engineering

August 2022 - May 2026

- GPA: 3.7/4.0

RELATED EXPERIENCE

EPICS at Purdue - American Society of Mechanical Engineers

August 2023 - Present

Structures Subteam Member

- Constructed plant storage units using PVC square tubing to use in a hydroponic gardening system for the Marion County Farm Bureau
- Designed a prototype for a nursery which is attachable to the existing hydroponic system in order to foster new plant growth through modeling in Autodesk Inventor and Fusion 360

Purdue Formula SAE

September 2022 - Present

Powertrain Subteam Member

- Designed a fuel tank system in Siemens NX as an entry project to the Powertrain subteam all within the 2023 FSAE design guidelines
- Tested and implemented the new pneumatic gear shift mechanism, marking a shift from stick shift to paddle shift

Global Engineering Programs and Partnerships - Florence, Italy

May 2023 - June 2023

ME 270 Study Abroad

- Applied statics principles to real-world engineering challenges during site visits in Florence
- Developed cross-cultural communication skills and gained a global perspective on engineering

Purdue SIGBOTS

May 2022 - May 2023

Mechanics and Strategy Subteam Member

- Designed and built the worlds qualifying 15 inch robot for BLRS3
- Documented the engineering design process relating to the BLRS3 15 inch robot
- Won 3 awards at over a 3 competition span

LEADERSHIP EXPERIENCE

EPICS at Purdue - American Society of Mechanical Engineers

August 2023 - Present

Co-Financial Officer

- Manage team finances, including budgeting, expense tracking, and reporting, promoting fiscal responsibility
- Applied for Purdue's service learning grant funding and optimized resource allocation for project success

Society of Asian Scientists and Engineers Board Member

May 2023 - Present

Corporate Relations Chair

- Increased sponsorship revenue generated by roughly 65% through the increased sale of sponsorship packages
- Organized communications between corporate representatives and the club executive board in order to plan company events

SKILLS

MATLAB | Autodesk Inventor | Autodesk Fusion 360 | Siemens NX | 3D Printing | CNC Manufacturing