

# Sanjeevkumar Vijayakumar

313-518-778 | [sanjeevkumarvijayakumar@gmail.com](mailto:sanjeevkumarvijayakumar@gmail.com) | [linkedin.com/in/sanjeevkumarvijayakumar](https://www.linkedin.com/in/sanjeevkumarvijayakumar)

## SUMMARY

**Mentored over 20 students on a competition-winning, middle school robotics team.** Design and CAD  
**Trained and led nearly 70 students in FRC electrical team.** Created lectures, planned robot, provided guidance and training on wiring and strategy  
**Finalist in the Uber Global Hackathon** Created a website for energy conservation.  
**Band Leader, playing in front of audience of 900+** Planned with teacher and managed band of 7.

## EDUCATION

**International Academy East** Expected 2025  
*IB Diploma; GPA: 4.17 (W); HL Math, Chem, and Physics; AP Stats: 5; SAT: 1570* Troy, MI

## EXPERIENCE

**Electrical Team Captain** January 2022 – Present  
*Benzene Bots 4384* Auburn Hills, MI

- Taught and trained 60+ students in Electrical Engineering and Fabrication bandsaw, and mill
- Spent 10+ hours a week designing and building a robot
- Used and taught skills such as soldering and crimping and PCB design.

**Conrad Innovator** September 2022 – Present  
*2x Finalist* Troy, MI

- Designed and programmed a website for AI-based education

**Robotics Mentoring** September 2022 – Present  
*Platinum Panthers* Troy, MI

- Mentored 20 students at a local public school in mechanical engineering and design
- Volunteered 4-8 hours a week of instruction in brainstorming and fabrication
- Asked questions to nurture critical thinking and creativity

**Buildspace** June 2024 – Present  
*Mani* Troy, MI

- Conceptualized a farm tech startup
- Utilized React

## TECHNICAL SKILLS

**Languages:**Tamil (Native), English (Native), French (beginner), Telugu (can understand)  
**Technology:** React (Tailwind), NextJS, TypeScript, Python, Figma, Onshape, Fusion 360, Solidworks (proficient), Curve(similar to Illustrator)(proficient)  
**Skills:** Power Tools such as Miter Saw and Drill, Soldering, CNC and 3-axis milling, CAD and prototyping  
**Awards:**Uber Global Hackathon Finalist (2022), Conrad Innovator (2023, 2024), Forensics Semi-finalist, States (2022)