



YOHAAN KAPUR

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PROFESSIONAL SUMMARY

Undergraduate Computer Engineering student with a strong foundation in programming, CAD design, and accessibility-focused technology solutions. Experienced in collaborative project development, prototyping, and problem-solving through academic projects and internship exposure. Actively seeking **Summer Internship / Industrial Training opportunities in Dubai/UAE** in software, engineering, or technology development roles.

EDUCATION

Pennsylvania State University, University Park, USA

Bachelor of Science in Computer Engineering

Expected Graduation: **May 2029**

GPA: **3.5 / 4.0**

Relevant Coursework (in progress):

Programming Fundamentals, Engineering Design, Digital Systems, Problem Solving for Engineers

TECHNICAL SKILLS

Programming Languages:

Python

Design & Engineering Tools:

Onshape, Fusion 360, VS Code

Hardware & Electronics:

Arduino (basic), Circuit Prototyping

Core Competencies:

CAD Modelling, Prototyping, Technical Documentation, Accessibility-Focused Design, Problem Solving, Team Collaboration

INTERNSHIP EXPERIENCE

Intern – Technology & Product Development

Amazon

- Participated in a structured internship program focused on real-world problem solving and product ideation
- Collaborated with cross-functional team members on technology-based solutions
- Contributed to design discussions, usability considerations, and iterative development
- Strengthened understanding of professional workflows, teamwork, and product thinking

PROJECT EXPERIENCE

Accessible Audio-Based Game for Visually Impaired Users

- Designed and developed an audio-driven game enabling non-visual interaction
- Incorporated accessibility and inclusive design principles using sound cues and Braille concepts
- Demonstrated strong interest in human-centred computing and assistive technologies

Colourblind Accessibility Tool (*Amazon Internship Project*)

- Contributed to the design of a UI accessibility solution for colourblind users
- Evaluated and proposed interface adaptations to enhance usability
- Worked collaboratively within a structured internship team environment

Automatic Guitar Tuner – Hardware Prototype

- Designed and modelled a functional enclosure using CAD tools (Onshape, Fusion 360)
- Integrated basic electronic and mechanical design concepts
- Applied iterative prototyping and testing methodologies

LEADERSHIP & ACTIVITIES

Founder & Lead Organizer – Computer Science Club

- Established and managed a high school computer science club
- Conducted weekly learning sessions on programming fundamentals
- Designed lesson plans, managed schedules, and led student engagement initiatives

TEDx Speaker (*High School Event*)

- Delivered a technical talk titled *"Physics in Our Daily Lives"*
- Simplified complex concepts for a general audience
- Demonstrated public speaking and technical communication skills

VOLUNTEER EXPERIENCE

Volunteer English Instructor

- Taught English to underprivileged students
- Developed strong communication, adaptability, and mentoring skills

INTERESTS

Technology Innovation, Embedded Systems, Accessibility Engineering, Hardware–Software Integration