

Vaibhav Kumar

State College, PA | <http://www.linkedin.com/in/VaibhavKumarProfile>

EDUCATION

The Pennsylvania State University

BS Computer Science, Minors: Cybersecurity, Engineering Entrepreneurship

Dean's List: Fall 22, Spring 23, Fall 23, Spring 24

University Park, PA

Graduation Date: May 2026

GPA: 3.85/4.00

EXPERIENCE

MyMedha

Startup Intern

Mumbai, India

July 2024 – Aug 2024

- Collaborated toward a business model aimed at empowering young adults potentially impacting 20,000+ individuals.
- Performed in a team utilizing web development frameworks including, React, NextJS, Typescript, Javascript, PostgreSQL, Tailwind CSS, to build a scalable website, maintaining over 7,000+ lines of code.
- Conducted internal testing and debugging, identifying and resolving 20+ issues to better prepare for a robust launch.

The Penn State Hyperloop Development Team

Vice President / Co Founder

State College, PA

Sep 2024 – Present

- Spearheaded the founding of a student organization, assembling a team with 25 individuals from 8 disciplines.
- Anticipate to research and develop Hyperloop transportation technology, securing \$20,000+ in sponsorship by 2025.
- Developing a website, managing 10+ pages of content and integrating interactive features to increase recruitment.

The Association for Computing Machinery, Penn State

Secretary

State College, PA

Sep 2023 – Present

- Maintained and organized website and mailing lists to facilitate communication within a club of over 2000+ participants.
- Promoted events through email communications, achieving a 20% increase in participation among members.
- Facilitated the onboarding of 100+ new members each semester by providing information and resources by providing information and resources about club activities, leading to a 10% increase in member retention.

PROJECT EXPERIENCE

Smart Trolley System

Research – Collaboration with peer from MIT World Peace University, India

Aug 2024 - Present

- Designing a comprehensive system architecture integrating IoT sensors, RFID technology, and Computer Vision. Aspiring to analyze data from over 1,000 shopping sessions to identify patterns and optimize system performance.
- Intend to integrate with the existing inventory management system, reducing manual data entry by 80%.

Alexa ASK-SDK Skill Development

Larsen & Toubro, India

Jun 2024 - Jul 2024

- Collaborated with L&T Technological Services Mysuru, India. Helped formulate Alexa Skill integrations with automotive systems, enhancing navigation accuracy for 10,000+ cities.
- Contributed to Smart Vehicle technologies by developing real time distance calculations.

Inchat - Texting App (Android)

Android App Development – Personal Project

May 2021 - Dec 2022

- Developed a social media application using Java, Android Studio, and Google Firebase for Android Systems.
- Obtained hands-on experience with Android app development, Java, and backend integration using Firebase.

Smart Business Cards

Personal Project

Jun 2024 - Jul 2024

- Developed an Android application for editing data on NFC cards, making electronic business cards for easier networking.
- Integrated functionality to convert NFC card data into a contact format and store it securely within the device's contacts.

RELEVANT CERTIFICATIONS / SKILLS

Udemy

The Complete Android T + Java Developer

SAE India Online

Real Time Object Detection and Video processing

Udemy (Currently Pursuing)

Machine Learning A-Z, (Python and R)

The Odin Project (Currently Pursuing)

Javascript Full Stack

Skills: Java, C, Python, HTML, CSS, XML, Tailwind CSS, Node, PostgreSQL, ReactJS, Linux, Unix, Android Studio, Google Firebase, SQL, Git, GitHub, Javascript, Typescript, Blender, AWS, Cryptography, pytorch, scikitlearn, pandas, numPy