

# Kartikey Pandey

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## EDUCATION

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### Pennsylvania State Univeristy

*Bachelor of Science, Computer Science, Minor in Education Technology*

- Cumulative GPA: 3.40

University Park, PA

*Expected Graduation – May 2026*

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL, JavaScript, HTML/CSS, C/C++

**Frameworks:** WordPress, FastAPI, TensorFlow, Flask, Vue.JS, React JS

**Developer Tools:** Git, Google Cloud Platform, Visual Studio, Amazon Web Services DynamicDB and SES

## EXPERIENCE

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### Google Developers Student Club

*Tech Lead*

August 2023 – Present

*University Park*

- Organized weekly hands-on workshops in **Python**, **machine learning**, and **web development** that increased student engagement by over **70%**.
- Spearheaded recruitment drives and outreach efforts that expanded club membership by more than **70%** within one academic year.
- Coordinated logistics for club-hosted hackathons focused on solving real-world problems, leading to the participation of over **100 students**.

### WeAreHousing

*Full Stack Intern*

June 2023 – August 2023

*Online / University Park*

- Collaborated effectively with a talented team to improve WeAreHousing's **Backend**, resulting in a **25%** reduction in server response time and a **15%** increase in overall system efficiency.
- Enhanced the **Frontend**, leading to a **30%** decrease in page load time and a **20%** improvement in user engagement metrics.

### Intel

*Intel AI4Youth Intern*

June 2020 – April 2021

*Online*

- Engaged in comprehensive workshops on **Full Stack AI-based Solution** development, participating in over **20 workshops** covering various aspects of AI, from data **pre processing** to deployment.
- Acquired technical expertise in **Computer Vision** and **Natural Language Processing** for AI models achieving a **95%** completion rate in advanced AI courses and consistently scoring above **90%** in assessments.
- Showcased an **NLP Software at a prestigious National AI Conference** that resulted in a **40% reduction** in processing time and improved accuracy by **25%** compared to previous methods.

## PROJECTS

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### EyeSnap – Individual Project | *Python*

October 2023

- Developed a method to detect **Diabetic Retinopathy** using a **smart phone** reducing the cost of **DR Detection** by **99.8%** bring costs down from **50000\$** to just over a **100\$**
- Achieved **2nd place** in the **CareYaya Category** at **HarvardHack 2023**.

### NoteX – Independent Project | *Python, SQL*

June 2020 – July 2022

- Created a **Neural Network** that summarizes text, tailored for meetings and lectures, achieving an average summarization **accuracy of 97%**.
- Acquired a patent** for the software and algorithm with **Intellectual Property of India**.

### Personal Portfolio Website – Personal Project | *HTML, CSS & JS*

March 2022

- Designed and developed a personal website using **HTML**, **CSS**, and **JavaScript** to showcase skills and experiences built over the last **5 years**.
- Implemented interactive elements for **enhanced user engagement**.