

# Sayam Kanwar

📍 West Lafayette, IN ✉ skanwar@purdue.edu 📞 (312) 752-0261 📧 sayamkanwar.github.io 🌐 sayamkanwar in sayamkanwar

## Education

### Bachelor of Science (B.S.) - Computer Science, Certificate in Entrepreneurship and Innovation, Purdue University

May 2024  
West Lafayette, IN

Coursework: Data Structures and Algorithms, Computer Architecture, Object-Oriented Programming, Intro to C Programming, Competitive Programming, iOS Development in Swift, Discrete Mathematics, Software Engineering Tools, Systems Development, Multivariate Calculus, Linear Algebra, Statistics & Probability, Information Technology Architecture, Marketing for Entrepreneurs

GPA: 3.60

## Programming Skills

- Languages: Java, Python, C, Javascript, PHP, SQL, R, C++, HTML & CSS, LaTeX
- Frameworks & Tools: Git, Django, Flask, Node.js, React.js, Express.js, Angular.js, Flutter, Docker, AWS, GCP, React Native
- Libraries: Tensorflow, Keras, OpenCV, Numpy, Pandas, Sci kit, Matplotlib, Selenium, Beautiful Soup, PyTorch, JQuery

## Work Experience

### DeWaste, Software Engineering Intern

Jan 2021 – May 2021

- Worked on the Data Science team to generate insights from the gathered food images taken at university dining halls, and present analytics and trends to large universities such as UC Berkeley and UC Davis
- Built interactive and responsive dashboards for DeWaste Kitchen which hosted 5+ key metrics using React, Firebase and GCP

### MICoverage Guru, Software Engineering Intern

Jun 2020 – Aug 2020

- Wire-framed, developed, and deployed a FERN-stack (Firebase/Express/React/Node) based modular web app, backed by extensive UX research, alongside an automated feedback collection algorithm
- Spearheaded website optimization based on tracked user behavior using capture points encoded at various levels of user acquisition

### Boilermaker Consulting Group, Technology Consultant

Sep 2020 – Jan 2021

- Worked with Eli Lilly, the pharmaceutical company that pioneered polio vaccine, by conducting market research and examining company portfolio to determine business use case for investment in Intelligent Automation (IA)
- Led a team of 10+ analysts and compiled analysis of different Business Applications from all sub-teams into a final investment proposal report

## Honors and Awards

### Grand Prize Winner, Google Code-In 2018, Google Open Source

Dec 2018

- Won an annual international coding contest hosted by Google for pre-university students which has an average winning rate of 1.7%
- Selected as one of the 54 winners from 3,124 participants from 77 countries and awarded an all-expenses-paid 4-day trip to Google HQ in California, US for the official felicitation ceremony
- Contributed 5000+ lines of code and 143 commits to CloudCV's products: Fabrik (drag and drop based platform to visualize deep learning models) and EvalAI (AI challenges based contest web app)

### Dean's List, Purdue University

May 2021

- Was awarded the highest university honor for outstanding academic performance in Fall 2020 and Spring 2021

## Selected Projects

### Dancem8, AI-based Personal Dance Assistant [🔗](#)

Oct 2020

- Coded a JS-based web app to compare user's dance pose to that of a professional dancer and suggest qualitative feedback
- Used Tensorflow's Pose Estimation model and wrote a custom algorithm to predict, normalize and compare the pose
- Won Honourable Mention at Purdue University's freshmen-only hackathon - Hello World 2020

### Touch Inverse, Developer Tool [🔗](#)

Jul 2019

- Created a Javascript library to add hand-gesture based scrolling to any website by importing the library through the addition of just 2 lines of code to make the website user-friendly for the visually impaired
- Used Tensorflow to classify hand gestures and return the results through a custom Flask API

### aBridge, Intelligent Note-Taking Web App [🔗](#)

May 2018

- Implemented a Flask based web app built on top of TextRank algorithm that can be used to summarise large texts and annotate lectures

## Activities

### ACM SIGAI - AI Club, Officer, Board of Directors

Jan 2021 – Aug 2021

- Part of a 5-officer board promoting AI education on 200+ member discord community and oversaw the leading NLP project in Text Summarization

### XINO - School Computer Club, President

May 2019 – May 2020

- Led the school's computer science team and orchestrated XINO 2019, XINO's annual inter-school symposium, which witnessed a participation of 500+ students from 30+ schools