

AJAY SINGH

Software Engineering student seeking a summer internship to build impactful solutions

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AjaySingh

PROJECTS

Bits N' Bytes

AI Powered Smart Store

Sep 2023 – Ongoing

RIT

- A self-serve kiosk similar to an Amazon GO shop. Using **OpenCV** and a detection software called **YOLO**.
- Trained **AI software** using **Python** in a team of 3. Worked alongside multiple other teams to effectively produce a finished product.
- Worked with **Raspberry Pis** to create a touchscreen UI setup for the customer using **QTcreator**.
- Code created for interacting with the cabinet using **ESP32s** via **Python MQTT** inside the touchscreen.

LJHS

Homeless Shelter Website

Sep 2024 – Dec 2024

RIT

- Created a full stack website in a **team of 4** using **SCRUM** and **Agile** strategies
- Learned how to fit into a sprint workflow and initiate Daily Stand-ups as well as work in a team across multiple months using the **SCRUM** workflow.
- Designed and developed a web application using **Angular** (front-end) and **Spring Boot** (back-end) to facilitate donations for a homeless shelter.
- Optimized back-end performance by designing **RESTful APIs** and leveraging **Spring Boot's** robust features.
- Collaborated with team members to ensure that the platform met the requirements of both donors and shelter administrators.

NoteAI

AI Summarization Tool

Sep 2023

RIT

- Created a website that converts an mp3 file to text using **Microsoft Azure's API**, and summarizes the text.
- The website will give you three responses: an abstract summarization, an extractive summarization, and a full transcript.

EXPERIENCE

Store Associate

CVS

Aug 2022 – Jul 2023

Woodbury, MN

- Worked with a small team to promote a healthy and inclusive working environment
- Provided excellent customer service by expediting the checkout process and answering customer questions

SKILLS

Hard-working

Eye for detail

Creativity

Motivator & Leader

Communication

HTML/CSS

Embedded Systems

Git

Bash

Docker

Flask

REACT

SpringBoot

Angular

PostgreSQL

LANGUAGES

Python



Java



JavaScript



C / C++



EDUCATION

B.Sc. Software Engineering

Rochester Institute of Technology

Ongoing

Rochester, NY

- Estimated Graduation – May 2027

ACTIVITIES

Computer Science House

Active Member

Sep 2023 – Present

RIT

- CSH is a student-run organization at RIT providing a productive, inclusive, and educational community for anyone interested in STEM-related fields.
- Learned many different coding skills, as well as teamwork and management.

Calisthenics Club

Active Member

Jan 2024 – Present

RIT

- Offers an inclusive environment for people of any skill level to train calisthenics with their peers.
- Demonstrates commitment to personal growth by practicing discipline, consistency, and goal-setting in physical training.