

EDUCATION

B.S. in Computer Science

Jan 2023 - Present

NJIT - Ying Wu College of Computing

Newark, NJ

- CGPA: 3.2/4.0
- Relevant Coursework:
 - Foundations of Computer Science I & II | Programming Language Concepts
 - Math Analysis for Tech | Probability and Statistics | Introduction to Artificial Intelligence
 - Principles of Operating Systems | Introduction to Computer Networks | Database System Design & Management
 - Intensive Programming in Linux | Introduction to Cybersecurity

A.S. in Computer Science

Sep 2020 - Dec 2022

CCM - County College of Morris

Randolph, NJ

- CGPA: 3.2/4.0

KEY SKILLS

Programming Languages: Java, Python, C

Web Development: HTML, CSS, Javascript, ReactJS, Django, Node.js

Graphic Design: Adobe Illustrator, Procreate

Database Administration: MySQL, PostgreSQL, MongoDB

Project Management Tools : Git, Docker

PROFESSIONAL EXPERIENCE

Web App Development

Jun 2022 - Feb 2024

Webers Hub

Remote

- **Project:**
 - Developed comprehensive web solutions for diverse clients, incorporating responsive design and enhancing user experience.
- **Responsibilities:**
 - Implemented user authentication and authorization, increasing sign-ups by 25%; performed CRUD operations, improving data management speed by 30%.
 - Optimized database interactions with MySQL and MongoDB, reducing query time by 40%; integrated HTML, CSS, JavaScript, and ReactJS, enhancing UI responsiveness by 50%.
 - Ensured high performance and security, decreasing data breaches by 60%.
- **Impact:**
 - Successfully delivered 100+ projects, resulting in a 50% increase in user engagement and satisfaction, and enhanced database performance by 30%.

ACADEMIC PROJECT

• Video's Object Detection and Tracking Project

Developed an API to download YouTube videos and implemented object detection using Faster R-CNN to identify car, person, and bicycles in the videos, then utilized a Kalman filter to track and estimate their speed. https://github.com/SandeepAdhikari/Videos_Object_Detection_And_Tracking

• Sidewalk Analysis using SAM Model

Developed a Segment Anything Model (SAM) to enhance sidewalk scene analysis, leveraging advanced object detection and segmentation techniques, and fine-tuning pre-trained models for precise image processing. <https://huggingface.co/spaces/adhsandb05/SAMsidewalk>

• Django Scheduler Web App

Developed a Django-based web application for task scheduling, incorporating user authentication, task creation, editing, and deletion. Implemented a PostgreSQL database for persistent storage and deployed the application on Heroku for easy access and scalability. <https://bloggersguru-ff1862d88df5.herokuapp.com/>

CERTIFICATION

Responsive Web Design Certification via freeCodeCamp
<https://freecodecamp.org/certification/SandeepAdhikari/responsive-web-design>