

Aditya Vikram Singh

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EDUCATION

PES University

B.Tech in Computer Science, CGPA 7.5

Bangalore

2021 – 2025

EXPERIENCE

Software Developer

Aug. 2023 – Oct. 2023

EKCS

Milford, Connecticut, United States (Remote)

- Developed a custom RAG microservice with my team for the HR Department during the Internship, currently supporting 1000 daily users in production. Utilized advanced features such as multilevel webhook, dual data pipeline, auto training, auto validation, and custom citation generator to enhance user experience and efficiency.
- Engineered architecture enhancements including a custom text splitter able to process json file and vectorise different parts of documents with Metadata.
- Established Cron-Job and Managed deployment and monitoring using tools such as Google App Script.

Python(AI/ML) and Web-Dev Specialist

Apr. 2023 – Feb. 2024

CodingZen

New-Delhi (Remote)

- Mentored Industry professionals to change their framework from Django to MERN Stack.
- Created Question Sets for International Hackathon organised by CodingZen. Helped Deploying and Management team. Also was the official Jury to evaluate final projects and declare rankings.
- Guided Students as well as professionals in Full-Stack Web development and helped them create projects many of which are deployed and have a good user visiting them regularly.
- Mentored high school students globally in Python and Machine Learning, nurturing their AI/ML proficiency and coding abilities. Guided them through practical projects and competitions like the Microsoft Imagine Cup.

Augmented and Virtual Reality Developer

Nov. 2023 – Present

Google Developer Student Club

PES University, Bangalore (On-site)

- Head of AR-VR department of GDSC (PES University)
- Encouraged students for Open-Source and Guided them through Github
- Mentored a team for developing AR Navigation System for large Tech Parks.

PROJECTS

Sentiment Analyser | *Python, NLTK, NLP, numpy, Panda, textBlob*

- Developed a Program capable to read text and give rating between -1 to 1 showing how positive and negative the given text. The program utilises Natural Language toolkit and TextBlob functionalities to do so.
- Currently working on integrating this algorithm with a user review csv file (like Amazon product Review) to find how good or bad a product is on basis of users input.

Personal Landing Page | *HTML, CSS, MERN Stack*

- Developed a full-stack website using MERN Stack

Computer Based Online Test System | *HTML, CSS, MERN Stack*

- Developed a CBT website with my team that can be used in Schools and College.
<https://quizapp-abhiraj.vercel.app/>

Front-End Designs | *HTML, CSS, Tailwind CSS, Bootstrap*

- Designed a good looking Bookmark Management Website

College WiFi Login Automation | *Selenium, Chrome/Edge Web-Drivers, time*

- Login process for our College/Hostel WiFi is very tedious, so i created a script that is capable of opening browser, search for IP Address, Find login form and enter Id/Password and Login in just one click.
- Version 2 of the script is capable of using Brute Force and finds all the pair of Login Id and Password (created by Admin) and store them separately in a text file (For Ethical Purpose).

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, SQL, MongoDB, HTML/CSS

Frameworks: React, Node.js, Flask, GenAI

Developer Tools: Git, Github, Google Cloud Platform, VS Code, AWS, Docker, Kubernetes, Jira