KOPPULA VENKATA SATYA

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EDUCATION

School of Engineering and Applied Sciences,   Aug 2023 – present | Buffalo, United States
Master's in computer science ✎
The State University of New York at Buffalo
CGPA 3.52 / 4 (FALL23)

SKILLS

Python, Linux, Django restframework, Java, CSS, HTML, Mysql, Research, React, Vue, Javascript, Git, C/C++, Matlab, MS office, Django, BootStrap, Web development, Kubernates, Docker, Grafana

WORK EXPERIENCE

Scaleinfinite, *Internship* ✎   Nov 2022 – Sep 2023 | Paris, France
- Coded APIs on FLASK and implemented building docker images on a GET request
- I refactored 20+ existing code components to enhance performance, reducing application load times by 40%, and updated unit tests to ensure code reliability and maintainability.
- Cached data on the frontend which reduced API response time from 150-250ms to 10-20ms
- Diagnosed backend inefficiencies through a custom Python script that automated the reclamation of unused Public IP addresses; streamlined the process and reclaimed over 50 IP addresses monthly, enhancing resource allocation.

PROJECTS

Book Finder using Raspberry pi., *A full stack RESTAPI project* ✎
This is my final year project. Django rest framework, Nginx and Cloudflare are used in the backend. Front-end is a web app built using php and jQuery. DRF communicates with raspberry pi for finding a specific book. a light will be turned on at the book location.

Movie Playlist, *A full stack website* ✎
Build a complete web application where users can log in and signup, search for movies, add movies to playlists, make their playlist public, and share the link. the project is built using Django framework and bootstrap, and OMDB API is used to fetch the details of the movie. Deployed the website on a Linux server using apache2

Online Blogging System, *php blogging app* ✎
The Project is build using HTML, CSS, JS and php. Most functionalities such as login, signup create blog, delete blog, edit blog etc. are implemented. Even a admin interface was implemented for admin login

Generate and validate Digital certificates, *Openssl alternative* ✎
Using cryptographic modules and the x509 standard for digital certificates Successfully coded a script that generates the digital certificate and deploys this certificate to a Linux server.

INTERESTS

Yoga | Blogging ✎ | Tech news | TV Shows | Gaming