YASHAS P

+91 9844573995 Shimoga, Karnataka
yashasp2k3@gmail.com ◇ linkedin.com/in/yashas-p

OBJECTIVE

To harness my technical skills and zeal for innovation to propel organizational success while continually refining my expertise in advanced technologies, fostering both personal and professional growth.

EDUCATION

B.E. in Computer Science, Jawaharlal Nehru New College of Engineering 2021 - Present
CGPA: 8.6 /10

II Pre-University in PCMB, Vikasa Pre-University College 2020 - 2021
Percentage: 93.66%

10th Standard, Swamy Vivekananda English High School 2018 - 2019
Percentage: 92.32%

SKILLS

Programming Languages - C++, Java, C, Python
Application Development - HTML, CSS, Bootstrap, Flask, MySQL, Django
Soft Skills - Precision, Quick Learner, Resilience, Emotional Intelligence

PROJECTS

BedWise Connect - Patent Bed slot Reservation System[Link] *Backend Developer and Team Lead*

- Developed a database management system using **MySQL database in Apache XAMPP**, efficiently managing over 500 records and streamlining database interactions.
- Built the platform with **Flask and Bootstrap**, implementing **three user roles (hospitals, patients, admin)** and adding **database triggers** to track bed bookings and occupancy.
- The project **optimizes hospital bed management** through a centralized platform for bed reservation and tracking, improving resource allocation and patient care.

Tools - Flask, MySQL, HTML, CSS, Bootstrap.

Sign Language Recognition System [Link] *Machine Learning Engineer*

- Developed a **convolutional neural network (CNN)** model to accurately classify gestures. Recognized gestures include "Hello," "I Love You," "No," and "Yes."
- The project aims to **bridge the communication gap** for individuals with hearing or speech impairments by providing an accessible and efficient tool to interpret basic sign language gestures.
- Developed a data pipeline for preprocessing images and integrated it into a **Flask web application** for real-time gesture predictions using image uploads or webcam input.

Tools - TensorFlow, Keras, Flask, HTML, CSS.

SpotSync - Spotify-to-YouTube Playlist Converter [Link] *Full-Stack Developer*

- Developed a web application using **Flask** that allows users to log in with their Spotify account, retrieve their saved tracks, and then create a YouTube playlist based on those tracks.
- It handles **Spotify OAuth authentication** to securely access user data and manages **access tokens** to ensure continuous access without repeated login.
- Utilized **YouTube Data API** to create a new playlist and added the corresponding videos by scraping YouTube for video IDs based on song names retrieved from Spotify.

Tools - Flask, Spotify API, YouTube Data API, Python.

SecureNote [Link] *Backend and Database Integrator*

- Built a **full-stack web app using Django and React** to create a secure note taking platform.
- Developed **RESTful APIs** with Django REST framework, utilizing **JWT for token-based authentication** and gained knowledge in **API security**.
- Implemented **access controls** and secured sensitive data pathways, ensuring protection of user information.
- The project aims to **provide a secure platform** for users to store and manage their sensitive notes, ensuring privacy, security, and easy access to information.

Tools - Django, ReactJS, CSS.

CERTIFICATIONS

- ***Python for Data Science, AI and Development*** – Completed through Coursera, authorized by IBM. Covered Python fundamentals, data manipulation with NumPy and Pandas, data visualization, and machine learning basics.
- ***Cyber Security Internship*** – Completed a 6-week program with IBM SkillsBuild, Edunet Foundation, and AICTE (Oct 2023 – Nov 2023), focusing on practical cyber security skills and applications.
- ***Inter-Intra Institutional Internship Program*** – Completed a three-week internship at Jawaharlal Nehru New College of Engineering, Shivamogga, gaining practical exposure and enhancing engineering skills.

PUBLICATIONS

- ***Deep Learning Driven Vegetable Disease Classification and Analysis*** – Published in International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 12, Issue XII, December 2024. The paper explores AI-driven solutions for early crop disease detection to minimize losses and promote sustainable agriculture.

ACTIVITIES AND ACHIEVEMENTS

- ***Tech Head*** in ***ANVESHANA-2K24*** an ***IEEE JNNCE*** event, managing technical operations and ensuring seamless execution of workshops and activities.
- ***Coordinated BrandBlitz*** an ***Inter-College event at AVISHKAR-2K24***, managing event planning and participant activities.
- ***Participated*** in the ***Fourth IEEE International Conference on (MPCIT 2024) Multimedia Processing, Communication, and Information Technology*** , gaining insights from global experts in IT and multimedia processing.
- ***IEEE Student Member (2024)***, engaged in technical events and knowledge-sharing initiatives.

DECLARATION

I hereby declare that the above given data are true and accurate to best of my knowledge and belief and I take full responsibility for the correctness of information.

Place:

Date: **(Yashas P)**