VAMSHI SHANMUKH NATH SELESWARAM

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Objective

Dynamic and driven software developer with a passion for crafting innovative solutions and a proven track record of delivering high-quality code. Seeking to leverage my expertise in Python and collaborative problem-solving skills to contribute to the cutting-edge projects and continued success of an industry-leading multinational corporation

Education

Malla Reddy University	Nov 2020 – May 2024
Bachelor of Technology (B.Tech), Computer Science and Engineering	*CGPA: 8.5/10*
Sri Chaitanya Junior Kalasala	June 2018 – May 2020
Senior Secondary(XII), Science	*GPA: 820/1000*
Coursework: Maths, Physics, Chemistry	
Brilliant Grammar High School	2017 - 2018
Secondary(X)	*GPA: 9.0/10*

Technical Skills

Languages/Database: Python, C, C++, Java, MySQL, MongoDB
Web Technologies: HTML, CSS, Javascript, React, Angular, Django
Software & Tools:Visual Studio Code, Pycharm,Git, GitHub Tensorflow, Keras, Numpy, Pandas

Experience

Infisense Services LLP — Jan 2022 – Feb 2022
Web Development — *Virtual*

- Collaborated effectively as an intern, contributing to web development projects while enhancing technical skills.
- Demonstrated proficiency in front-end technologies by actively participating in the creation of a dynamic React application.
- Leveraged React to construct an application which can build advanced form using JSON input, showcasing adaptability in handling complex data structures.
- Engaged as a proactive team member, fostering an environment of cooperation and innovation.

Projects

Exam Portal | *Django, HTML, CSS, Javascript* — Oct – Dec 2022

- Innovatively crafted an advanced web-based solution to seamlessly administer online examinations.
- Leveraged the robust Django framework to create a highly functional and user-friendly platform.
- Encompasses 3 pivotal user roles:
  * Admin (Super User): Empowered with comprehensive control and management capabilities.
  * Professor: Facilitated with tools for creating and managing assessments.
  * Student: Provided a seamless interface to engage in exams with ease.

Traffic Sign Detection | *CNN, OpenCv, Python* — June – July 2022

- Created robust Deep Learning model for accurate traffic sign classification, trained on 30,000+ images. Integrated OpenCV for real-time sign detection, showcasing strong computer vision skills.
- Demonstrated expertise in dataset management using GTSRB Dataset, achieving precise classification results, highlighting advanced technology and practical application skills.

Food Donate | *Java, Maps API, Firebase* — May – June 2022

- Developed an Android food donation app in Java, integrating Firebase for authentication and database management, and Google Maps API for streamlined food donation and request processes.
- Designed an intuitive user interface with features such as donation tracking, 'About Us,' and 'Contact Us' pages, showcasing a commitment to user experience and effective communication.
- Demonstrated expertise in Java programming, Firebase integration, and Google Maps API utilization, highlighting strong skills in app development, authentication, and location-based services.

Cassava Leaf Detection | *CNN, Multi Class Classification, OpenCV, Python* — Jan – Feb 2023

- Developed CNN model using OpenCV for cassava disease detection, classifying 3 diseases and healthy leaves.
- Trained on 21,400+ Kaggle dataset images from Makerere University AI Lab, achieving accurate multi-class classification.
- Employed data augmentation and transfer learning techniques for robust model performance. Created user-friendly interface for leaf image upload and prompt disease diagnosis.

Positions of Responsibility

President / Alan Turing Club
- Currently presiding over the Alan Turing Club, a dynamic technical organization within the university, exhibiting strong leadership and organizational abilities.
- Strategically steering the club's vision, projects, and events, fostering an environment of technical exploration and innovation.
- Collaborating with a diverse team to curate workshops, seminars, and hackathons, amplifying technical knowledge and skill acquisition.
- Cultivating a vibrant community of like-minded enthusiasts, facilitating networking and knowledge-sharing among members.
- Showcasing adeptness in organizational management, teamwork, and effective communication to drive the club's impact and reach.

Code Hackathon Coordinator / NeuroSplask 2023
- Skillfully coordinated and managed a high-energy Code Hackathon, fostering a competitive and collaborative environment for participants to showcase their coding prowess.
- Ensured the smooth execution of the event, from conceptualization to evaluation, contributing to a successful and engaging competition.

Prototype Designing Coordinator / Saarang 2022
- Demonstrated strong organizational skills by leading the coordination of the Prototype Designing segment during Saarang 2022, the university's cultural festival.
- Guided participants through the design and development of innovative prototypes, contributing to the overall success of the event.

Datathon Coordinator / Alan Turing Club 2022
- Spearheaded the planning and execution of a Datathon, promoting data analysis and visualization skills among participants.
- Developed challenging problem statements and collaborated with industry experts to create a stimulating and educational experience.

Extracurricular Involvement

Participant / Megathon 2022 - IIIT-H Hackathon
- Engaged in a rigorous 24-hour hackathon focused on machine learning, contributing to a team effort that leveraged data-driven solutions to address real-world challenges.
- Collaborated with team members to ideate, develop, and present a functional machine learning model within the competition timeframe.

Certifications

Certificate 1: Deep Learning - IIT Ropar
Certificate 2 : AI for Everyone - DeepLearning.AI
Certificate 3 : R Programming - John Hopkins University