Varun S

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Personal Profile

A University of Karunya graduate student with Bachelorate's Degree in the Computer Science and Engineering . Dedicated to software engineering, full-stack web development, algorithms, and machine learning. And has ability to tackle complex problem and deliver innovative solution.Eager to apply expertise in Machine Learning, Data Engineering, and Python Development roles to drive impactful outcomes in cutting-edge projects.

Education

Karunya University   *Coimbatore , Tirunelveli*
B.Tech Computer Science   *Jul 2020 - May 2024*

- Cyber Security of Karunya Club Member
- **Courses:** Data Science, Artificial Intelligence, Machine Learning, Software Development , Web Development , DataBase Management System , Computer Networks

Sri Jayendhara Saraswathi Swamigal Golden Jubilee   *Tirunelveli, India*
High School   *Mar 2019 - Apr 2020*

- Passed with Distinction
- Specialised in Physics, Chemistry, and Maths with Computer Science

University Projects

Object Detection and Movement using Yolov6 - Mini Project   *Coimbatore, Tamil Nadu*
Karunya University   *Sep 2022*

- Motion Detection using the Yolov6 and Detecting the person and gets the metadatas and used for furthur analytics
- Using various filters and video normalization in order to increase the accuracy.
- **Technical Skills:** Python, Yolov6 models
- **Soft Skills:** Presentation skills, Coding Skills ,Report writing.

Social Eye - TN Police Hackathon Project   *Coimbatore, Tamil Nadu*
Karunya University   *May 2023*

- Build a tool that can extract all the metadata available in the youtube videos , and made web scraping and the related details.
- And by using other tools to get sentiment analysis for the audio from the video and found whether profanity words is used in the video and the comment section also.
- And made dashboard and which can be accessed and used easily
- **Technical Skills:** Python , pandas, nltk , whispher ai , javascript, react js.
- **Soft Skills:** Presentation skills, Logical Thinking.

Fluffy - Kavach Hackathon Project   *Coimbatore, Tamil Nadu*
Karunya University   *Aug 2023*

- Fluffy is a plug play audit tool which does vulnerability analysis for the systems.
- We have implemented various tool like uniscan , sslyze, nikto and golismero these tools were implemented
- And made a easily visualised dashboard which show various insights from the vulnerability assessments.
- **Technical Skills:** React, Javascript, python, django.
- **Soft Skills:** Presentation skills, Logical Thinking , Web Site Presentation.

Eagle Eye Final year Project   *Coimbatore, Tamil Nadu*
Karunya University   *Jan 2024 - Mar 2024*

- Eagle Eye is a camera surveillance tool which is used to Find people in different stream of videos and identify them as same person
- I have implemented using the NVIDIA's Deepstream framework for this
- And Implemented various tools like Milvus Simalrity Search , Kafka.
- **Technical Skills:** React, Javascript, python, Deepstream Framework , Kafka , Milvus.
- **Soft Skills:** Presentation skills, Web Site Presentation, Learning of New Frameworks.

HydraNet Autonomous Vehicle   *Coimbatore, Tamil Nadu*
Karunya University   *Mar 2024*

- Hydranet is a Deeplearning Model which purpose is to find the Semantic Segmentation and Depth Estimation
- This model has a whole backbone where the MobilenetV2 as encoder and the Refinenet as decoder and trained with Disjoint Dataset the datasets are CityScapes and Nyu v2 Deepth
- **Technical Skills:** Pandas, Pytorch.

Skills

Programming	Python, Java, C sharp, JavaScript, HTML/CSS, React, Kotlin, JavaScript, SQL, Nvidia's Deepstream, Pytorch, Tensorflow.
Miscellaneous	Linux, Shell (Bash/Zsh), Firebase, Git, Kibana.
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation, Fast Learner, Engaging Presentation.

Achievements

2023	**Finalist**, TN Police Hackathon		*India*
2023	**Finalist**, Kavach Hackathon		*India*

Certifications

IBM Data Science Certificate	*Jun 2023* - Certificate on Data Science Methodology
NVIDIA DLI Certificate	*Jan 2024* - Building Video AI Applications at the Edge on Jetson Nano

Interests

Book Reading	I love to read books , this always made to amaze with the people thoughts and feels that how they deliver perfectly through words
Linux	Since 2020, I have been in love with Linux. And I always configure and make changes all the times make me fresh
Technical Writing	I write descriptive blogs about some of my works are in Medium.
Watching movies	I love to watch movies, And I love to see how the movie being narrated and the cinematography and how it is done always kept me amazed.
Workouts	I started gym and jogging session when i was 17. Always working out even after exhausion makes me happy and more engaged

Languages

English	Professional proficiency
Tamil	Native proficiency
Hindi	Conversational proficiency.