R Lakshmi Narasimha Dinesh

SOFTWARE ENGINEER | Web Development | Data Analysis | Cybersecurity

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|**GitHub**| **LinkedIn**| Tableau

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Professional Summary

Highly motivated and detail-oriented recent graduate with a Bachelor's degree in Computer Science. Equipped with skills in Software Engineering, Web Development, Data Analysis, and Cybersecurity. Seeking an entry-level Software Engineer position to leverage my technical expertise and passion for innovative technology solutions.

Education

Bachelors in Computer Science & Engineering   **Aug 2021 – Present**

Kalasalingam University, Tamil Nadu   CGPA: 7.5/10

Intermediate   **May 2019 – Mar 2021**

Sri Chaitanya College, Vijayawada, Andhra Pradesh   CGPA: 9.01/10

Matriculation/SSC   **Mar 2018 – May 2019**

Sri Chaitanya School, Vijayawada, Andhra Pradesh   CGPA: 9.0/10

Professional Experience

MAGIC Research programme Intern, Multicoreware Inc, Remote   **July 2023 – Present**

Worked on Sensor Fusion Projects involving ONNX, TensorFlow, and PyTorch:

- Developed and optimized sensor fusion algorithms for enhanced perception in autonomous systems, integrating data from LiDAR, radar, and cameras.
- Implemented BEVFusion (Bird's Eye View Fusion) and HVDetFusion (High-Value Detection Fusion) techniques to improve object detection accuracy and reliability.
- Converted and optimized deep learning models for deployment using ONNX, facilitating seamless integration and interoperability across different platforms.
- Skills: Sensor Fusion, BEVFusion, HVDetFusion, ONNX, TensorFlow, PyTorch, Deep Learning, Neural Networks, LiDAR, Radar, Camera Data Integration, Model Optimization, Autonomous Systems

Cyber Security (CS)|AICTE

- Developed and implemented steganographic techniques to securely hide and extract information within digital media, such as images and audio files. Engineered a steganography tool using Python to embed and retrieve hidden data, ensuring high levels of data confidentiality and integrity.
- Conducted security assessments and vulnerability analysis on steganographic methods to identify and mitigate potential threats.
- **Skills:** Steganography, Cybersecurity, Python, Data Confidentiality, Vulnerability Analysis, Security Assessments

Projects and Training

Patient Data Management System   **Mar 2024**
- PDMS is the appropriate response to ensure the collection of medical records, lab diagnosis, text extraction from prescription.
- The project is to create web interface for the patients and Hospitals
- It is used to perform amalgam between the patient monitoring system and Hospital information
- Skills: HTML, CSS, js

Uber Data Analysis   **Dec 2022**
- The project is to perform data visualization on the uber data.
- The dataset contains 4.5 million of uber pickups in the New York city.
- This much data needs to be represented beautifully in order to analysis the rides so that further improvements in the business can be made.
- Skills: Python, Pandas, NumPy

Mobile Application Security Assessment: **Jan 2023**
- Analyzed historical stock data to develop predictive models that signal optimal times for buying stocks using advanced machine learning techniques.
- Implemented algorithms to process and analyze large datasets, extracting relevant features for predictive modeling.
- Skills: Machine Learning, Data Analysis, Python, Predictive Modeling, Linear Regression, Data Visualization

Skills

Languages: Python,HTML, CSS.
Frameworks: Flutter, Tensorflow, Pytorch, Onnx,
Tools: Git,Eclipse, Android Studio, Visual Studio
Technical: Machine Learning, Deep Learning,Cybersecurity.
Databases: SQL.
Data Analytics: Tableau
Soft skills: Ability to collaborate and work together, Management, adaptability, perseverance, proficiency in English and good communication skills, good scripting skills, can speak – English and Telugu

Patents & Publications

Quantum Neural Network for Time Series Forecasting: Harnessing Quantum Computing's Potential in Predictive Modelling
2023 2nd International Conference on Futuristic Technologies (INCOFT)- IEEE Conference   Nov 2023

Certifications

Oracle Data Science Professional	Oracle
Data Analytics with python	Cognitive.ai
Penetration Testing & Incident Response	IBM
Cybersecurity essentials	Cisco
Ethical Hacking	Cisco

Honors / Recognitions

- Member- CyberNerds
- LinkedIn: https://www.linkedin.com/in/r-l-n-dinesh-b7a629241/
- GitHub URL: https://github.com/Rlndinesh
- Tableau: https://public.tableau.com/app/profile/rayavarapu.lakshmi.narasimha.dinesh/vizzes