

TRIVENI KANDIMALLA

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SUMMARY

Highly motivated and passionate student with a strong commitment to learning and growth, seeking internship and full-time employment opportunities. Known for my **problem-solving abilities**, **versatility**, **multitasking**, and **self-motivation**, I thrive on tackling challenges and driving innovative solutions. With a **detail-oriented** and **organized** approach, I excel in adapting to diverse project requirements and delivering impactful results. Eager to leverage my academic background and hands-on experiences to make a meaningful contribution in a dynamic professional setting.

SKILLS

- **Technical Skills:** C, Python, R, Core Java, MySQL, HTML.
 - **Techniques:** Machine Learning, Deep Learning, Data Science, Artificial Intelligence
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EXPERIENCE

Maveric Systems Limited - Data Science Intern

Dec 2024 – May 2024

Customer Transaction Analysis for Banking Sector

- The project involved analyzing customer transaction data from a leading banking client to identify patterns and provide insights that could improve customer experience and help in detecting fraudulent activities.
 - Administered and analyzed customer transaction data to identify patterns and insights.
 - Engineered a system that optimized customer experience and forecasted potentially fraudulent activity.
 - Streamlined data processes to maintain accuracy and standardized reporting methods.
 - Analyzed customer transaction data using Python, pandas, and NumPy to identify patterns, forecasting fraudulent activity with machine learning models. Streamlined data processes with SQL for extraction and Excel for standardized reporting, enhancing accuracy and efficiency.
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INTERNSHIPS

Cybersecurity supported by paloalto Cybersecurity Academy

Mar 2022 – May 2022

- Gained hands-on experience with network security, firewall configuration, and intrusion detection techniques.
- Applied threat detection methods using Wireshark and packet analysis to monitor and secure network traffic.

Process Mining Virtual Internship Supported by Celonis EduSkills

Jul 2023 – Sep 2023

- Utilized process mining techniques to analyze business processes and identify inefficiencies.
 - Worked with Celonis Process Mining Tool to visualize process flows, and applied data-driven insights to optimize workflows for enhanced operational efficiency.
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PROJECTS

Prediction of Chronic kidney Disease using Machine Learning:

- Developed proficiency in handling large datasets, performing feature engineering, and interpreting complex model outputs to drive actionable insights for improving chronic kidney disease prediction accuracy.
- Utilized **Python**, **pandas**, **scikit-learn**, and **matplotlib** to handle large datasets, perform feature engineering, and build machine learning models, such as **Logistic Regression** and **Random Forest**.
- Conducted **data preprocessing** and **model evaluation** to improve prediction accuracy, resulting in a significant increase in performance.

Brain Tumor Detection using Deep Learning:

- Managed the end-to-end project lifecycle, from data collection and model training to evaluation and deployment, refining project management and problem-solving abilities.
- Managed the entire project lifecycle, from data collection to model deployment using **Python**, **TensorFlow**, and **Keras**.
- Built a **Convolutional Neural Network (CNN)** to classify brain MRI images, achieving high accuracy in tumor detection.
- Implemented **data augmentation** and **hyperparameter tuning** to improve model performance.

E-commerce Website Development using MERN Stack:

- The project is a fully functional e-commerce platform where users can browse products, add items to the cart, make purchases, and track orders. Admin users can manage product listings, track sales, and process orders. The website provides a user-friendly interface with secure payment integration, making it ideal for small businesses or startups.

- Developed a full-stack e-commerce web application using **MongoDB, Express.js, React.js, and Node.js (MERN Stack)**.
- Designed a **responsive frontend** with **React.js** and **Bootstrap**, utilizing **Redux** for state management.
- Built a **RESTful API** with **Node.js** and **Express.js** for user authentication, product management, and order processing.
- Integrated **MongoDB** with **Mongoose** for efficient data storage and implemented **JWT-based authentication** for secure login.
- Utilized **Stripe API** for payment processing and **AWS S3** for image uploads.
- Deployed the application on **Heroku** (backend) and **Netlify** (frontend) for seamless scalability.
- Ensured reliability through **unit testing** with **Jest** and **Mocha**.

PUBLICATIONS

Pneumonia Detection using Deep Learning techniques – IEEE

- Developed a model leveraging CNN architecture to accurately classify chest X-ray images for pneumonia detection. Achieved high accuracy and improved diagnosis efficiency with image processing techniques.
- Developed a model using **CNN architecture with Keras and TensorFlow** to classify chest X-ray images for pneumonia detection.
- Applied image preprocessing techniques like resizing and normalization, achieving high accuracy in diagnosis.

CERTIFICATIONS

- **Google IT Automation with Python via Coursera**
- **Introduction to Cybersecurity by Cisco Networking Academy**
- **Introduction to Industry 4.0 and Industrial Internet of Things by NPTEL**
- **Program Essentials in C via CISCO**
- **Communication Skills via TCSION**

EDUCATION

KENNESAW STATE UNIVERSITY, USA - **Master of Science in Computer Science**
VEL TECH UNIVERSITY, India - **Bachelor of Information Technology**

April 2026
May 2024