R Lakshmi Sravya

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Education

JAIN (DEEMED TO BE UNIVERSITY) Bangalore, KA
Bachelor of Technology, Computer Science and Technology in Artificial Intelligence June 2023
GPA : 3.92
Coursework: Machine Learning, Deep Learning, Artificial Intelligence, Natural Language Processing, Data Science, Human Computer Interactions, Data Structures, Design analysis and Algorithms, Database Management Systems.

Experience

Mercedes- Benz R&D India Bangalore, KA
Graduate Engineer Trainee August 2023 – Present

- Develop Tableau dashboards for departments, integrating complex datasets to drive actionable insights and optimize business processes.
- Spearheaded the establishment of more than 10 Linux user accounts for the VANS team within the Mercedes German group, and design dashboards that monitor storage utilization and software inventory.
- Built 3 websites with system architecture enhancements for the VANS team and focus on UI/UX optimization and user-friendly interfaces for the HPC/AI team.

K&S Partner Bangalore, KA
Associate Patent Intern October 2022 – June 2023

- Conducted more than 50 prior art searches for novelty and usability for companies like Samsung, Microsoft; drafted and filed applications, emphasizing invention novelty and utility.
- Responded to nearly 30 FERs by analyzing objections and crafting responses, and engaged in strategic patent prosecution to ensure broad, defensible claims for meaningful invention protection.
- Assessed compliance with patent laws and analyzed landscapes to develop intellectual property strategies and manage portfolios.

Leaf Studios Bangalore, KA
Data Analyst Intern April 2022 – June 2022

- Managed the comprehensive examination of customer data sourced from Shopify, to unveil recurring behavioral patterns within a customer base exceeding 10,000 individuals; insights to optimize marketing campaigns and drive sales growth.
- Leveraged advanced data analytics tools such as Google Analytics and Power BI to dissect and interpret customer data, leading to a 20% increase in identifying key customer segments and purchasing preferences.
- Led cross-functional collaboration with marketing team to analyze data-driven insights, resulting in a remarkable 15% improvement in customer retention and a substantial 25% increase in sales.

Projects

Semantic Segmentation Self Driving Cars. March 2023 – May 2023

- Pioneered the concept of autonomous driving, emphasizing the vital role of risk recognition and response in ensuring safe operation of self-driving cars for 3 categories like encompassing pedestrian, vehicle, and traffic lane detection.
- Developed Python scripts for real-time object detection using webcam and video inputs with YOLO model, ensuring over 90% accuracy, leveraging OpenCV, NumPy, and command line arguments for customization.
- https://www.ijaresm.com/uploaded_files/document_file/2rrnm.pdf

IOT based Fish tank January 2023 – May 2023

- Developed to monitor 5 different conditions in a fish tank like temperature, lighting, water purity, pH of water and analyze the behavioral patterns of fishes' present in the tank.
- Implemented advanced technologies like React Native and Arduino IDE to create a mobile app, integrating sensors and OpenCV for precise prediction of fish behavior patterns with an accuracy rate of 86%.

College Management and Administrative System August 2022 –November 2022

- Created an educational platform with an Admin Portal for student data management and a Student Dashboard for viewing profiles, attendance, timetables, assignments, feedback, and results analysis utilizing Tableau.
- Implemented a project with Flask for the backend, HTML, CSS, and JavaScript for the frontend, and utilized MongoDB Cloud for database management, ensuring high availability and support for large datasets.
- https://ijircce.com/admin/main/storage/app/pdf/sR8X2zdMsNbtp8hxFK8Gsegbp3d31ESGiVG27wdv.pdf

Dis- Easify April 2022 – June 2022

- Built a web application which would help in diagnose patient symptoms using ML model and algorithms and recommend the best – specialized physician to the end – users.
- Integrated ML models like Naïve Bayes, Random Forest, Decision Tree for prediction, and CNN for image processing of Pneumonia and each model gave an accuracy about 84% to 92.41%.

Skills & Interests

Technical: C, C++, Java , JavaScript, SQL, Python, Machine Learning, Data Analytics, Data Visualization, UI/UX Designing, AWS, Microsoft Azure
Laboratory: Tensor Flow, NLTK, Figma, Tableau, PowerBi
Language: English, Hindi, Telugu, Kannada
Interests: Designing, Content Writing, Baking and Cooking, Stock Market analysis, Cricket , Teaching