

## ABOUT ME

Graduate student in Computer Science with experience in data science, machine learning, and AI. Skilled in Python, data analysis, visualization, and communicating insights effectively.

## EDUCATION

<b>CALIFORNIA STATE UNIVERSITY</b>	<b>Carson, CA,USA</b>
● <b>Master of Science in Computer Science with 3.9/4 CGPA</b>	
● <b>Relevant Coursework:</b> Data Structures, Software Engineering, Operating Systems, MachineLearning, Deep Learning, Artificial Intelligence, Object Oriented Analysis Design.	
<b>LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY</b>	<b>Vizag, AP,India</b>
<b>Bachelors of Technology in Electronics and Communication Engineering with 7.23 CGPA</b>	<b>September 2020</b>

## WORK EXPERIENCE:

<b>COGNIZANT(Associate)</b>	<b>(Feb 2021 -July 2023)</b>
● Automated 200+ manual test cases using Selenium and Magnolia, improving efficiency by 90% and saving 70+ hours/month.	
● Developed Java-based scripts for workflow automation, increasing process efficiency by 80%. Performed backend validation with SQL across multiple databases, improving data consistency by 30%.	
● Used REST Assured for API testing, ensuring data integrity across microservices.	
● Analyzed test performance data and communicated insights and process improvements to technical and non-technical stakeholders.	

## PROJECTS

- **Essay Scoring System (Python, BERT, Flask):** Collected and cleaned essay data, performed EDA, and fine-tuned BERT to predict scores with 82% human-rater agreement.
- **Self-Driving Car (Python, TensorFlow, OpenCV):** Implemented semantic segmentation and distance detection with 88% accuracy in real-time scenes, covering full ML lifecycle from data preprocessing to model evaluation.
- **Face Recognition (PyTorch, Python):** Built a Siamese neural network model achieving 75% recognition accuracy, applying classification and model tuning methods.
- **Automated Parking System (YOLOv8, OpenCV, Flask):** Designed parking detection system (90% accuracy, 25 FPS) with web-based slot booking and dashboard visualization.

## SKILL BUILDING PROJECTS

- **Linear Regression:** Build a simple house price predictor using linear regression ( $R^2 \sim 0.85$ ).
- **CNN Model:** Implemented a CNN model for handwritten digit recognition using TensorFlow (Accuracy ~96%).
- **Data Modeling & Visualization:** Designed relational and star-schema data models using SQL and PostgreSQL, created ER diagrams and dashboards to visualize entity relationships and data flow.
- **Customer Segmentation:** Applied K-Means clustering and PCA for customer segmentation and behavioral insights.
- **Frontend Project:** Designed a responsive portfolio website using React.js, CSS, and API integration.
- **Backend Project:** Built an E-commerce backend system using Node.js and Express with MongoDB, implementing RESTful APIs, user authentication, and order management.

## SKILLS

- **Languages :** C, Java, Python, HTML/CSS, SQL, Bash, Git
- **Frameworks:** Scikit-learn, TensorFlow, PyTorch, XGBoost, Hugging Face Transformers, OpenCV, Flask,
- **Databases & Data Storage:** MySQL, PostgreSQL, SQLite
- **Cloud Services:** Google Cloud Platform (GCP), AWS (S3, EC2, SageMaker)
- **Version Control & Tools:** Git, GitHub, GitLab, VS Code, Jupyter Notebook, Google Colab, Docker, VS

## CERTIFICATIONS

- Leet code top sql 50
- Leet code Blind 75
- Machine Learning Google crash course