

SHREYAS GANESHGURU

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EDUCATION

University of North Carolina at Charlotte

Master's in Science in Computer Science

Charlotte, NC (Aug 2023 - May 2025)

3.55/4 G.P.A

- **Relevant Courses:** Data Mining, Intelligent Systems, Machine Learning, Big Data Analytics for Competitive Advantage, Business Intelligence & Analytics, Visual Analytics

Dayananda Sagar College of Engineering

Bachelor's of Engineering in Computer Science

Bengaluru, KA, India (Aug 2019 - Jun 2023)

8.48/10 C.G.P.A

- Recipient of the Best Project Award for my final year project titled "Smart Start-up Analyzer, Prediction Model and Analysis Tool for Venture Capitalists Using Machine Learning"

PROFESSIONAL EXPERIENCE

Wheelprice, Atlanta, GA

Jul 2024 - Present

AI/ML Intern (Jan 2025 - Present) | Software Developer Intern (Jul 2024 - Dec 2024)

- **Launched** a production-ready [AI Wheel Fitment Chat Assistant](#) with 1,739+ users (**recognized by SEMA** - [link](#)), by **scraping fitment data** from 120+ websites using Python, and **integrating OpenAI GPT APIs** with custom function calls to provide accurate and dynamic customer responses.
- **Built** a RAG-based chatbot system by **training text-embedding-ada-002 for vector embeddings** and **storing them in Pinecone**, enabling high-accuracy context retrieval and seamless integration with ChatGPT-4 for e-commerce-specific queries.
- **Developed** a Minimum Viable Product (MVP) and Proof of Concept (PoC) for a Wheel Recognition Tool by **implementing image recognition models** (YOLOv5 and OpenCV), **integrating and testing APIs** from Ridestyler and Autosync (wheel visualizer companies), and **enhancing product listing automation** to improve user engagement.
- **Engineered** a virtual wheel try-on PoC **using OpenCV to dynamically replace car wheels in images**, optimizing the customer purchase experience with real-time visualization.

University of North Carolina at Charlotte, Charlotte, NC

Jan 2024 - Present

UNC Center for Graduate Life - Graduate Assistant: Events/Project Analyst - (Jan 2025 - Present)

- **Enhanced event impact and graduate engagement** by analyzing attendance trends, satisfaction surveys, and feedback from 6,300+ graduate students per semester using **Tableau, Power BI, and SQL** to generate insights that optimized event planning and outreach strategies.
- **Streamlined operational processes** by creating automated workflows in **Excel using VBA, Pivot Tables, and Array Functions**, improving data collection, student group coordination (Slack, GroupMe), and application tracking for Graduate School Teaching Fellowships.

Graduate Teaching Assistant - (Jan 2024 - Dec 2024)

- **Facilitated academic success for 115+ students** across Machine Learning (under Professor [Dr. Hongfei Xue](#), Spring 2024) and Data Structures and Algorithms (under Professor [Dhruv Dhamani](#), Fall 2024) by **delivering engaging lectures**, guiding project-based learning, and **evaluating performance** through exams and assignments.

Sysfore Technologies Pvt. Ltd., Bengaluru, KA, India

Sep 2021 - Feb 2022

Data Scientist Intern

- **Achieved 92% object recognition accuracy** by enhancing plastic detection in environmental monitoring, specifically for identifying types of ocean plastics, through **collaboration with cross-functional teams** and implementing **mobilenetSSD models**.
- **Improved object property accuracy by 12% and reduced false positives by 18%** by leveraging **Google Cloud's Vertex AI platform**, **analyzing object color and dimensions**, and utilizing **OpenCV**.

SKILLS

- **Programming Languages:** Python, R, SQL
- **Version Control:** Git, GitHub
- **Data Analytics & Visualization:** Tableau, Power BI, Microsoft Excel (Pivot Tables, VBA), Pandas, NumPy, Matplotlib, Seaborn
- **Cloud Computing:** AWS (EC2, S3, Athena, Kinesis), Microsoft Azure
- **Machine Learning & AI:** TensorFlow, Keras, PyTorch, OpenCV, GANs, Large Language Models (LLMs), GPT, RAG (Retrieval Augmented Generation), Azure AI Services, Computer Vision, Deep Learning
- **Project Management & Methodologies:** Agile, Kanban, Jira, Confluence, Microsoft Dynamics 365, Power Automate

PROJECTS

XALAS - AI-Driven Financial Analysis Assistant 🌐: [link](#)

- **Delivered actionable insights 10x faster** by automating real-time extraction of metrics like revenue growth and profit margins from earnings call data of major firms (e.g., Lincoln Financial, Fidelity) using **OpenAI's Assistant API**.
- **Processed over 5,000 queries per second** through a scalable backend hosted on **Replit**, providing seamless financial analysis via a **Voiceflow-powered natural language interface** with multi-threaded memory.
- **Enhanced enterprise reporting capabilities** by integrating Xalas with datasets containing millions of records, enabling instant, AI-driven financial comparisons and trend analysis using **OpenAI-powered processing**.

Smart Startup Analyzer, Prediction Model, and Analysis Tool for Venture Capitalists Using Machine Learning 🌐: [link](#)

- Achieved 85% accuracy in predicting startup investment success by developing a Random Forest-based machine learning model, processing 370,000+ data points from 17 Crunchbase datasets using SQL and Python, and integrating the model into backend workflows; published findings in IJSREM (DOI: 10.55041/IJSREM17996, SJIF: 8.176), showcasing its innovation in venture capital decision-making.

CERTIFICATION

Amazon Web Services: AWS Academy Data Engineering: [link](#)

ACHIEVEMENTS & CAMPUS INVOLVEMENT

- **Runner-up at Hack CLT Hackathon** for "Xalas," an AI financial assistant leveraging OpenAI's API for real-time earnings call analysis.
- As Graphic Designer for the **Student Involvement Office**, boosted student event engagement and participation by designing logos, posters, digital banners, and branding materials for **20+ student organizations** and events, leveraging tools like Adobe Creative Suite and Canva to deliver visually compelling designs aligned with organizational goals