

Anirudh Cheruvu

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[in LinkedIn](#)

[Github](#)

Education

University of North Carolina at Charlotte

M.S. in Computer Science GPA: 3.9/4.0

Charlotte, North Carolina

Aug 2022 - May 2024

Jawaharlal Nehru Technological University

Bachelor of Technology in Computer Science GPA: 8.27/10.0

Hyderabad, India

Aug 2018 - July 2022

Skills

Programming Languages: Python, JavaScript (ES5/ES6), C, C++

Web Development: HTML, CSS, JavaScript (ES5/ES6), React.js, Node.js, FastAPI

AI/Machine Learning: LangChain, Transformers, TensorFlow, PyTorch, LLMs, RAG, Agentic Systems, Vector databases, LoRa Fine-Tuning, LLM Fine-tuning, Stable Diffusion, AI-Powered Data Visualization

Databases: MongoDB, MySQL, Vector databases

Cloud & DevOps: AWS (S3, Lambda, SageMaker), Git, Docker, CI/CD

Tools & Skills: Postman, REST APIs, Linux, Chrome Extensions, API Integration, Full-Stack Development

Projects

GraphifyAI - AI-Powered Data Visualization Chrome Extension: [Demo GitHub](#)

- Developed a Chrome extension that converts voice queries and on-screen tables into dynamic visualizations using Gemini's multimodal live API, featuring Audio Mode for real-time AI-driven database querying and Visual Mode for table-to-graph conversion.
- Engineered a FastAPI backend to process AI responses, execute database queries, and generate Python-based graphs, streamlining real-time interaction between the extension and its AI-powered backend.

Re-imagine UNCC - A diffusion based UNC Charlotte image colorizer:

- Developed a **LoRA fine-tuned stable diffusion** based **colorizer** using a curated dataset of UNC Charlotte images spanning the 1960s to modern day, outperforming the state-of-the-art colorizer by **12% on FID score**, demonstrating superior performance in reviving the vibrant hues of the campus and its clay theme.

A Deep learning based classification model to classify Arxiv computer science archives:

- Designed and developed an FCN-based deep learning model to classify computer science papers scraped from the arxiv repository into sub-fields which yielded an accuracy of **72.5% for 2K research papers**(title and abstract) scraped from the repository.

DormDeals - A University Marketplace Website:

- Developed a feature-rich marketplace platform tailored for university students to seamlessly buy, sell, and engage within the campus community. Leveraged **React.js** for an intuitive front-end and **Node.js/Express** for a robust back-end, integrated with **MongoDB** for efficient data management.

Experience

Cognizant Technology Solutions

Web Development Intern

Hyderabad, India

Feb 2022 - Jun 2022

- Completed **400-hour** intensive Full-Stack Web Development training through Cognizant Early Engagement program, gaining expertise in **MERN** stack (MongoDB, Express, React, Node.js) by developing **5+** dynamic web applications; created reusable React UI components optimized for performance and responsiveness.
- Designed and implemented 3 RESTful APIs using Node.js following Agile methodologies, ensuring seamless data communication for an e-commerce platform. Achieved **95% code** coverage through Test-Driven Development (TDD).
- Collaborated with cross-functional teams of developers to identify and resolve software defects, employing debugging techniques and writing unit tests, resulting in **15%** reduction in overall bug count and enhanced application stability.

Alltronics Technologies Pvt. Ltd

Software Engineering intern

Hyderabad, India

Apr 2021 - Dec 2021

- Collaborated with clients to gather requirements and translate their needs into functional specifications, resulting in the successful implementation of user interface (UI) features on multiple websites.
- Developed responsive website layouts and blog pages for multiple clients, resulting in an average increase of 30% in website traffic and a **20% increase** in user engagement metrics.