Anirudh Cheruvu

 Raleigh, NC

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Education

University of North Carolina at Charlotte	Charlotte, North Carolina
M.S. in Computer Science GPA: 3.9/4	*Aug 2022 - May 2024*
Jawaharlal Nehru Technological University	Hyderabad, India
Bachelor of Technology in Computer Science GPA: 8.27/10.0	*Aug 2018 - July 2022*

Skills

Languages:	**JavaScript (ES5/ES6), TypeScript**, C, **C++**, CSS, HTML, JSON, **Python**, **SQL**
Frameworks:	**React.js**, **React Query**, Express.js, MYSQL, **Node.js**, **MongoDB**, jQuery
Tools:	**Git**, **REST APIs**, Kubernetes, GitLab, Postman, **AWS**, Linux, **Docker**
Skills:	Front-end, **Agile**, Back-end, Unit testing, Micro-services, CI/CD.

Experience

Cognizant Technology Solutions — Hyderabad, India
Web Development Intern — *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 — Hyderabad, India
Software Engineering intern — *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.
- Assisted in conducting cost-benefit analysis for new feature implementations, helping prioritize development roadmap

Projects

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.

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.

System and Method to Generate Time-Profiled Temporal Pattern Tree
- Designed and implemented an innovative, cost-efficient temporal tree structure to store and analyze time-series transactional data, revealing insightful association patterns. The solution reduced execution time by **90%** and memory utilization by **80%** compared to existing baselines.

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.

Certifications

- Ultimate AWS Certified Solutions Architect Associate from Udemy.
- The Complete Web Development Bootcamp from Udemy.