Vikranth Chinnam

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EDUCATION

University of Texas at Dallas, Richardson, TX *August 2022 – May 2026*
Joint BS/MS in Computer Science *GPA*: 4.0/4.0
Major (or Concentration): Computer Science
Relevant Coursework: C Programming in UNIX/LINUX, Theory of Computation, Data Structures and Algorithms, Programming Paradigms, Computer Architecture, Operating Systems, and Probability and Statistics
Honors & Awards: Dean's List from Fall 2022 to Spring 2024, Academic Excellence, and Axxess scholarship

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, HTML/CSS, Swift, SQL
Platforms/Tools: Docker, Git, GCP, AWS, Firebase, Tailwind CSS, Node.js, React.js, Express.js, Cypress, Figma, MySQL
Certifications: AWS Solutions Architect – Associate, ISTQB Certified Tester Foundations, AWS Certified Cloud Practitioner

WORK EXPERIENCE

Fidelity Investments, Westlake, TX
Software Engineer Intern *June 2024 – August 2024*
- Designed and developed a proof of concept for migrating a Microsoft Desktop Assistant app to a cross-platform web app. Utilized Custom HTTP Protocols to access the user's local machine to enable the web app's functionality, along with a plan to convert the app to a Progressive Web App for people to access it offline without having to install it.
- Automated functional testing in an Angular web app using Cypress with CICD integration, supporting speed and quality.

Fidelity Investments, Westlake, TX
Software Engineer Co-Op *July 2023 – December 2023*
- Upgraded 10+ Java and Spring Boot applications from Java 8 and Java 11 to Java 17 and Spring Boot 2.6.x to 3.1.x, enhancing functionality, security, and productivity.
- Spearheaded migration of an application suite from enterprise Jenkins to Jenkins Core.

University of Texas at Dallas, Richardson, TX
Computer Science Outreach Instructor *May 2023 – July 2023*
- Led and conducted 2 boot camps for Machine Learning, Artificial Intelligence, and Python for 25+ students.
- Taught Swift to a middle schooler with no programming experience to build a mobile app for a science fair.

LEADERSHIP

UTD Tool Crib, Richardson, TX
Project Lead/Software Engineer *January 2023 – May 2023*
- Led 4 developers to design & develop a tool renting system for students, with the potential savings of $30K+ per year.
- Leveraged MySQL, Node.js, Express.js, React.js, HTML/CSS, and Figma in full-stack development.

PROJECTS

YouTube Clone
- Developed a scalable containerized YouTube clone and deployed in GCP for core functions like upload/view etc.
- Leveraged Next.js, Express.js, Node.js, Docker, FFmpeg, Firebase, and Google Cloud Platform.

Connect 4 game with AI Opponent
- Developed connect 4 in Python for users to play against AI, leveraging the Minimax algorithm with Alpha-beta pruning.