

Anirudh Utagikar

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EDUCATION

Texas A&M University

B.S Computer Science, Minor in Business

College Station, TX

Aug. 2021 – May 2025

GPA: 3.70

EXPERIENCE

Software Development Intern

May 2023 – September 2023

Lower Colorado River Authority

Austin, TX

- Developed a full-stack web application using ASP.NET Core and Vue.js frameworks to parse, store, and display log files sent from ERCOT, used REST API Connections to fetch and display data on an internal network webpage. Included functionality for formatted .csv files with parsed ERCOT data and frontend integration with Vuetify 3 for extra GUI features.
- Developed a custom date entry webpage for an internal website built on Blazor Pages & Microsoft SQL Server.
- Worked in an Agile development team to develop a full-stack application using Microsoft SQL, ASP.NET Core, and Vue.js to present all Business Continuity Data on an internal webpage. Developed the ASP.NET Core Web API, Vue.js frontend, and helped write REST API connections between all components.

Solutions Architecture Intern

June. 2022 – Oct. 2022

Lower Colorado River Authority

Austin, TX

- Designed a Standard UML Network Diagram for an email notification system extracting and presenting data from Power Plant I/O based on Architecture Standards such as COBIT, NIST, and the Purdue Model.
- Completed and Submitted Firewall Access Request Forms to Update Firewall Rules and Decommission Servers within Corporate and Operation Technology Networks.
- Revoked Access for all terminated employees and contractors by removing all firewall rules and security configurations from company-assigned hardware (laptops, desktops, servers).

PROJECTS

Simulated Y-86 CPU | Logisim Evolution, Y-86 Instruction Set

March 2023 – May 2023

- Worked in a team to create a CPU using Logisim Evolution to perform custom-made Y-86 assembly instructions including bubble sort.
- Individually designed the register component to store data during instruction processes.
- Collaborated to design other various components such as fetch, decode, ALU, etc.

Simple Compression Software | C++

October 2022

- Developed a simple C++ console application to compress images to smaller bit sizes.
- Used seam picking and seam carving algorithms along with dynamic allocation to reduce matrix sizes to smaller dimensions.
- Implemented functionality for black and white with varied results for color.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Microsoft), JavaScript, HTML/CSS, R, C#

Frameworks: Vue, Node.js, WordPress, Material-UI, REST API, Vuetify 3, ASP.NET Core, Ajax

Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, SwaggerUI, Microsoft SQL Server Management

Libraries: pandas, NumPy, Matplotlib, Microsoft.EntityFrameworkCore, Newtonsoft.Json, Swashbuckle.AspNetCore.Swagger