

# Yatin Vajja

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## Education

**The University of Texas at Dallas**  
Bachelor of Science, Computer Science

**Aug 2022 - Dec 2025**  
GPA: 3.7

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Computer Architecture, Machine Learning, Advanced Operating Systems, Discrete Mathematics, Network distributed and concurrent programming.

## Technical Skills

**Languages & Technologies:** Java, C++, JavaScript, Python, RESTful APIs, Swift, Assembly, CSS, Bootstrap, TypeScript  
**Cloud & Databases:** Azure, Kubernetes, Splunk, SQL, MySQL, RDBMS  
**Certifications:** AWS Cloud Practitioner

## Projects

- Restaurant Order Management System**  
Jan 2024 - May 2024
- Reduced order processing time optimization of the Restaurant Order Management System (ROMS) using JavaScript, JSP, Servlet, HTML, CSS, and Bootstrap.
  - Achieved a reduction in manual errors and improved operational reliability by automating backend processes with Java and implementing a robust Model-View-Controller (MVC) architecture.
  - Supported strategic business decisions with data-driven insights, improving menu and inventory management efficiency by 30% applying comprehensive data analytics tools and methodologies, integrated into the backend system with MySQL.
- SmartFile Compressor**  
Aug 2023 - Dec 2023
- Successfully implemented a file compression utility using Huffman's algorithm in C++, resulting in significant reduction of file sizes by up to 50%, thereby optimizing storage space and transmission efficiency.
  - Utilized key data structures including vectors and priority queues and leveraged file I/O operations with fstream for efficient reading and writing of data, showcasing strong proficiency in C++ and algorithmic design.
- Clear Drip Dallas**  
Jun 2023 - Aug 2023
- Developed and launched a Shopify-powered streetwear store, serving over 1K users and achieving a successful sales conversion rate of 3% within the first month, showcasing expertise in HTML, CSS, and JavaScript for front-end development.
  - Engineered a user-friendly inventory management website utilizing SQL database, optimizing warehouse operations with a 95% inventory accuracy, showcasing technical expertise in front-end development.

## Work Experience

- IT Technician Lead - UT Dallas Office of Information Technology**, Richardson, TX  
Mar 2023 - Present
- Enhanced first-contact resolution for IT and MS365 issues by achieving an 8-minute average handling time and a 70% resolution rate, minimizing downtime and streamlining user support through the TDX ticketing system.
  - Improved network uptime and user productivity by swiftly diagnosing and resolving minor network issues using Splunk and Teams Admin.
  - Boosted IT infrastructure efficiency and reduced system downtime by 10% through effective cloud resource management with Azure.
- Software Engineer – EPICS UT Design**, Richardson, TX  
Jan 2024 - May 2024
- Developed efficient backend algorithms, optimizing team formation for 5,400+ students, improving placement accuracy by 20% using Python and Prisma ORM.
  - Implemented API routes with Prisma ORM, enhancing database interactions and reducing response time by 30%.
  - Collaborated on a full-stack application implementing with React JS, Next.js, and SQLite, streamlining team assignments for 50+ projects, improving user satisfaction by 15%.
  - Optimized database operations, reducing query execution time by 25% through schema improvements and reverse-engineering algorithms using SQL and database optimization techniques.

## ADDITIONAL INFORMATION

Eligibility: US Citizen, Eligible to work in the US for internships and full time with no restrictions.