

# Jason Shetty

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<https://github.com/jasonxshetty> | <https://jasonxshetty.github.io/Portfolio-Website/>  
U.S. Citizen | Dallas, Texas

## Education:

University of Texas at Dallas | Bachelor of Science in Computer Science

Graduating: December, 2025

**Relevant Coursework:** Automata Theory, Artificial Intelligence, Advanced Algorithm Design & Analysis, Database Systems, Operating Systems, Computer Networks, Data Structures, Probability and Statistics in C.S., Discrete Mathematics, Computer Architecture

## Technical Experience:

Blue Cross Blue Shield (HCSC) | Dallas, Texas

June 2024 - August 2024

Developer Intern | Enterprise API Team

- Led the development of a scalable React.js application that surfaces internal team engagement metrics by building a custom API using MuleSoft and Excel-based data pipelines.
- Conducted threat modeling and risk assessments on internal API endpoints, mitigating potential injection and data exposure vulnerabilities.
- Integrated CI/CD pipelines and automated deployment processes for the dashboard, reducing release cycles by 40% and ensuring consistent delivery across staging and production environments.

EPICS @ The University of Texas at Dallas | Richardson, Texas

August 2024 - December 2024

Software Engineer | Github and Discord Team

- Developed and implemented API integrations with Python and RESTful APIs, between the TeamBuilder app, Discord, and GitHub, streamlining the onboarding process for EPICS project teams each semester.
- Spearheaded the design and development of a web application module using React.js and Node.js, automating team assignments and improving operational efficiency.

Freelance Software Consultant

May - August 2024

Independent Contractor

- Advanced Automation Testing: Streamlined website navigation and testing, reducing manual testing efforts by 67% and enhancing overall reliability.
- Performance Enhancement: Optimized speed and responsiveness, reducing page reload time from 4 seconds to 3 seconds, leading to a 25% increase in user satisfaction and a 20% boost in traffic.

## Projects:

Project FINN | Python | Mycroft AI | Microsoft Azure TTS | Tesla API | Raspberry Pi

June - July 2024

- Designed and deployed an advanced AI assistant for Tesla which enables voice-activated queries and real time vehicle data retrieval through Tesla API, handling over 100 voice commands per day.
- Developed custom skills and integrated a bespoke Text-to-Speech engine which provides all round natural assistance
- Executed comprehensive system testing and optimization achieving 99% system reliability and reducing response times from 5 seconds to 3.5 seconds.

FinSights (Fin-Tech Hackathon) | React.js | TypeScript | NLTK | Visual Studio Code

April 2024

- Developed a financial dashboard which provides actionable insights through risk analysis and sentiment analysis leveraging NLTK to assess sentiment from financial news reports.
- Trained an AI model to calculate and provide an accurate risk score, based on real time market data and market sentiment.
- Integrated data visualization tools to convey investment risks and facilitate an easily comprehensible user experience.

## Technical Skills:

### Programming Languages:

- Java, Python, Swift, C++, Ruby, MIPS, JavaScript, HTML, CSS

### Frameworks:

- FastAPI, Next.js, Node.js, Mycroft AI, Flask, Google TTS, Microsoft Azure TTS, Selenium, React, Angular, Vue.js, Spring Boot

### Technologies:

- Axios, Pandas, MuleSoft, Microsoft 365, XML, NLTK, SQL, MongoDB, Linux, Unix, AWS, Tesla API, Voice Recognition, Text-to-Speech (TTS), Web Automation, Performance Optimization, iOS Development, Postman, Jenkins, Confluence, Jira

### Tools:

- Visual Studio Code, IntelliJ IDEA, MARS, Figma, Git, GitHub, Raspberry Pi, Raspbian OS, Lighthouse, AnyPoint Studio

### Specialized:

- UI, UX, CI/CD Pipeline, Algorithm Design and Analysis, Database Management, API Design, Version Control, API Development, Web Development, Machine Learning, Software Testing, Cloud Computing, Cross-Platform Development, Automation Scripting

### Soft:

- Problem-Solving, Attention to Detail, Team Collaboration, Project Management, Troubleshooting, Critical Thinking

## Accomplishments:

IBM Cyber Security Fundamentals Badge

April 2023

- Demonstrated knowledge in cyber threat groups, attack types, social engineering, security strategies, and cryptography.