Jason Shetty

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Education:

University of Texas at Dallas | *Bachelor of Science in Computer Science*   **Graduating: December, 2025**

Relevant Coursework: Operating Systems, Computer Networks, Programming Language Paradigms, Data Structures and Algorithmic Analysis, System Programs in Unix, Probability and Statistics in Computer Science, Discrete Mathematics, Computer Architecture, Linear Algebra, Computer Science

Technical Experience:

University of Texas at Dallas   **August - December 2024**
Software Engineer
- 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   **May - August 2024**
Software Consultant
- Advanced Automation Testing: Streamlined website navigation and testing, reducing manual testing efforts by 67% and enhancing overall reliability.
- Bespoke Website: Increased online presence and user engagement by over 30%, tailored to specific client needs.
- 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.

Investment Strategies (Fin-Tech Hackathon) | *Python | Javascript | FastAPI | Visual Studio Code*   **April 2024**
- Developed a web-based tool for investment decision making using sentiment analysis of financial news.
- Parsed XML-formatted RSS feeds and integrated Natural Language Toolkit (NLTK) for sentiment scoring.
- Visualized sentiment data through interactive graphs, aiding users in identifying investment opportunities.
- Achieved an accuracy of 78% in terms of representing certain stock trends with sentiment analysis.

To-Do List Application | *Java | IntelliJ IDEA*   **November 2023**
- Designed a task management system utilizing linked lists and custom sorting algorithms.
- Enabled sorting by due date, description, and time entered to optimize user workflow and task management.

Technical Skills:

Programming Languages:
- Java, Python, Swift, C++, MIPS, JavaScript, HTML, CSS

Frameworks:
- FastAPI, Next.js, Node.js, Mycroft AI, Flask/Django, Google TTS, Microsoft Azure TTS, Selenium, React, Angular, Vue.js

Technologies:
- Axios, Pandas, Radix, Microsoft 365, XML, NLTK, MongoDB, Linux, Unix, AWS, Tesla API, Voice Recognition, Text-to-Speech (TTS), Web Automation, Performance Optimization, iOS Development

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

Specialized:
- UX (User Experience), UI (User Interface) Design, Algorithm Design and Analysis, Database Management, 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.