

Tom Kuriakose

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EDUCATION

The University of Connecticut | Storrs, CT

Expected May 2025

B.S. in Computer Science, Minor in Biology | GPA: 3.5/4.0

HuskyTHON Captain, Phi Delta Theta Bylaws Chairman, Association for Computing Machinery, KINS Research Assistant

PROFESSIONAL EXPERIENCE

Software Engineer Intern | Infosys

May 2024 - July 2024

- Developed a full-stack Network Adequacy Visualization Application for an insurance provider client, facilitating the strategic placement of over 100 life-saving providers improving Network Adequacy by 15% in a real-world simulation
- Utilized 10+ technologies including Angular, HTML, Typescript, Java, Spring Boot, SQL, Python, leaflet, and GIS
- Exceeded project expectations and transformed a proof-of-concept project into an implementable application within 8 weeks, successfully presented to the client, receiving outstanding feedback from project managers

Software Contracting | Freelance

July 2023 - Present

- Designed fullstack websites for local businesses, combining personal expertise with client specifications in order to create functional websites that empower businesses and allow them to reach customers online
- Utilized technologies such as HTML, CSS, JS and react.js to create smooth and efficient user-interfaces as well as several APIs and database technologies such as MongoDB in order to store and retrieve data
- Leveraged previous experience in order to successfully conduct SEO optimization

PROJECTS

Insider Trading Tracker

- Developing an ongoing Insider Trading Tracker platform, designed to identify irregular trading activities indicative of insider trading
- Leverages Machine Learning techniques including but not limited to anomaly detection, pattern recognition, etc.
- Uses unsupervised and supervised learning techniques for pattern recognition
- Utilizes skills including Nextjs, Node, Express, Typescript, CSS, and Puppeteer

Voice Recognition Hangman Application

- Developed a Hangman Application utilizing Python and Voice Recognition API in order to take vocal input and add accessibility to the application
- Developed using the pygame library as well as pocketsphinx and showcases proficiency in backend logic and algorithmic problem-solving

One Product Store E-commerce Site

- Developed an E-commerce store using the winning one product store strategy, emphasizing a brand identity around a singular product in order to maximize attention and thus conversions for a niche product
- Designed a seamless UI/UX interface with the primary goals of minimizing distractions and maximizing sales conversions
- Demonstrated real-world functionalities including managing accounts on the platform as well as conducting secure and encrypted transactions
- Utilized skills including JavaScript, CSS and HTML

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, SQL, CSS, HTML, Typescript

Technologies/Frameworks: Linux, Unix, Github, Chromium, MongoDB, Django, Flask, React, Node.js, Angular

CERTIFICATIONS

Harvard CS50 (edX), Biomedical Research (CITI Program), Social/Behavioral Research (CITI Program)