

YATIN KUKREJA

206-471-5668

yatin_kukreja@outlook.com

linkedin.com/in/yatin-kukreja

github.com/Yatinkukreja

Education

Purdue University

Bachelor of Science in Computer Science, GPA: 3.85

August 2021 – May 2025

West Lafayette, IN

Experience

Udemy

June 2024 – August 2024

Software Engineer Intern

San Francisco, CA

- Designed and implemented secure, rate-limited, REST API endpoints for creating and polling OpenAI text generation requests, allowing users to generate AWS CloudFormation Templates with no prior CloudFormation knowledge
- Defined protobufs and architected and developed a scalable gRPC microservice in Kotlin using Spring Data JPA for efficient MySQL interactions, handling request-response cycles, and validating user permissions
- Developed and executed 30+ integration tests for Kotlin microservice and Django REST API endpoints, validating error handling, authentication, rate limiting, and database access
- Designed and developed a user-friendly modal for AI-assisted CloudFormation template management, including generation, editing, uploading, downloading, and saving, using React and TypeScript with company-specific styling
- Authored 20+ front-end tests using Jest and React Testing Library, achieving 100% coverage on all modified components

Epic Systems

May 2023 – August 2023

Software Developer Intern

Madison, WI

- Designed and implemented a UI for system analysts, enhancing referral precision and improving patient care quality
- Architected comprehensive full-stack tree web application, integrating C# server components from various teams to ensure cohesive and functional data processing
- Collaborated with UI/UX intern to design intuitive interfaces using React and Typescript with company styles
- Facilitated meetings with hospital executives to gather feedback, identify pain points, and refine project requirements
- Performed thorough manual testing of the tree-based UI to ensure functionality, usability, and adherence to requirements, identifying and addressing issues before deployment

Quasi

June 2022 – August 2022

Software Developer Intern

Seattle, WA

- Designed and developed 10+ web pages to support new features, playing a key role in acquiring the first paying customer
- Used React and JavaScript to build responsive, visually appealing web pages that aligned with marketing lead's vision
- Developed and optimized API endpoints in Python for seamless interaction with Firebase and Typesense databases, ensuring efficient data retrieval and secure access
- Contributed to strategy and marketing meetings with founders, discussing company vision, direction, and key priorities

Woohoo!

January 2022 - May 2022

Software Developer Intern

West Lafayette, IN

- Developed and integrated components to enhance user experience of Woohoo! mobile application
- Converted graphic designer assets into reusable React Native components using JavaScript, contributing to the app's front-end development and helping lead to release on the Apple App Store
- Manually tested new and existing features on TestFlight to ensure quality before release

Projects

Git Commit Message Analyzer VSCode Extension | *Typescript, Git, VADER, Basic NLP* **March 2024 – Present**

- Building a VSCode extension using TypeScript that integrates Git for scraping recent commit messages and applies VADER along with basic NLP techniques for sentiment analysis and insight extraction
- Utilizing the VSCode API to present results in a clean and user-friendly interface, enhancing the usability and effectiveness of the extension

ScratchML | *React, Typescript, Python, Flask, Scikit-Learn, PyTorch, Prediction Guard LLM*

February 2024

- Built an education platform to teach ML principles to non-technical students using a Scratch-inspired drag-and-drop UI
- Developed the front end in React and the back end with a Python Flask server, leveraging scikit-learn and PyTorch for model building, all within 36 hours
- Awarded "Best Developer Tool" at a hackathon with over 300 project submissions and 1600+ participants
- Achieved 2nd place for "Best Use of Intel Developer Cloud" at the same hackathon

Technical Skills

Languages: Java, Python, C++, C, C#, Javascript/Typescript, HTML/CSS, SQL, Kotlin

Developer Tools: GIT, Firebase, VS Code, Bash, Jira, Protobufs, gRPC, REST API

Technologies/Frameworks: React, TailwindCSS, Flask, Django, VADER, Jest, React Testing Library, Spring Data JPA