YATIN KUKREJA

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Education

Purdue University **Sep. 2021 – May 2025**
Bachelor of Science in Computer Science, GPA: 3.85 *W Lafayette, IN*

Experience

Udemy **June 2024 – August 2024**
Software Engineer Intern *San Fransisco, CA*
- Designed and implemented secure, rate-limited, and validated REST API endpoints for creating and polling OpenAI text generation requests to write CloudFormation templates
- Defined protobufs and developed gRPC services to handle request and response cycles for CloudFormation generation
- Successfully built and integrated gRPC service for CloudFormation generation into existing microservice architecture
- Created user-friendly modal for AI-assisted CloudFormation template generation using React and TypeScript, ensuring robust input validation

Epic Systems **May 2023 – August 2023**
Software Developer Intern *Madison, WI*
- Created client facing tree based UI, enhancing doctor referral precision and efficiency
- Architected comprehensive full-stack tree web application, integrating C# server components from various teams
- Collaborated with UI/UX intern to design user-centric, efficient interfaces using React and Typescript
- Conducted weekly meetings with hospital executives and doctors to identify pain points and user needs

Quasi **June 2022 – August 2022**
Software Developer Intern *Seattle, WA*
- Created over 10 web pages to support new features, contributing to the acquisition of the first paying customer
- Utilized React, Javascript, and TailwindCSS to ensure website aesthetics aligned with marketing lead's vision
- Developed and optimized API endpoints using Python to interact with Firebase and Typesense databases
- Participated in regular strategy, marketing, and direction discussions with founders

Woohoo! **Jan 2022 - May 2022**
Software Developer Intern *West Lafayette, IN*
- Developed and integrated components to enhance user experience of Woohoo! mobile application
- Transformed graphic designer work into reusable React Native Components for app

Projects

Git Commit Message Analyzer VSCode Extension | *Typescript, Git, Google Gemini API* **March 2024 – Present**
- Developing a VSCode extension that leverages NLP and generative AI models (e.g., VADER and Gemini)
- Analyzes recent Git commit messages to provide sentiment analysis and insights into notable trends
- Utilizes the VSCode API for clean and intuitive presentation of results

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
Developer Tools: GIT, Firebase, VS Code, Bash, Jira, Protobufs, gRPC, REST API
Technologies/Frameworks: React, TailwindCSS, Flask, Django, Google Gemini API, VADER