

Yatin Kukreja

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EDUCATION

- Purdue University** West Lafayette, IN
Bachelor of Science in Computer Science; GPA: 3.93 Aug 2021 - May 2025

EXPERIENCE

- Epic Systems** Madison, Wisconsin
Software Developer Intern May 2023 - August 2023
 - Created client facing tree based UI that increased doctor referral accuracy and speed
 - Designed the full stack tree web-app integrating C# server components from across company teams
 - Worked closely alongside UI/UX intern to create efficient and intuitive designs in React with the customer in mind
 - Conducted weekly meetings with hospital executives and doctors to identify pain points and user needs
- Quasi** Seattle, WA
Software Developer Intern June 2022 - August 2022
 - Created 10+ webpages to support requested features leading to first paying customer
 - Utilized React, Javascript, and TailwindCSS to ensure website look and feel matched vision of marketing lead
 - Wrote and optimized API endpoints with Python to read and write data to and from Firebase and Typesense databases
 - Attended regular meetings with founders to discuss strategy, marketing, and direction
- Woohoo!** West Lafayette, IN
Software Developer Intern Jan 2022 - May 2022
 - Designed and built components to make Woohoo mobile application more user friendly
 - Converted work of graphic designer into React Native Components that could be reused throughout the app

PROJECTS/HACKATHONS/OUTSIDE COURSEWORK

- TreeHacks Hackathon (February 2024):** Built an ML education platform designed to teach machine learning principles to students without technical backgrounds by using a Scratch inspired drag and drop UI. Front end was in React with a python flask server on the backend. Used scikit-learn and PyTorch libraries to actually build models on backend. Won "Best Developer Tool" award and got 2nd place in Intel's "Best Use of Intel Developer Cloud" award against 300+ project submissions and 1600+ hackers.
- Shell Project (March 2023 - April 2023):** Wrote my own shell in C++ based loosely off of Bash. Supports sub shell, environment variable expansion, line editing, wildcards.
- Academic quiz platform (November 2021):** Worked alongside classmates to design and create a GUI that allowed teachers and students to upload, take, and grade quizzes. Done with Java graphics libraries Swing and Awt.
- Live Campus Map Project (September 2021):** Used Java Swing and Java awt libraries to make a map on campus of any club events or seminars taking place. Worked alongside 3 other undergrads.
- Introduction to Quantum Computing (October 2020 - May 2021):** Gained an introductory knowledge of quantum computing through weekly lectures, labs, and homework assignments. Class covered linear algebra, coding with Qiskit, quantum mechanics, quantum algorithms, and quantum applications.
- AI in Healthcare: A Project Based Intensive (September 2020 - November 2020):** Trained machine learning models that diagnose eye or lung disease, sharpen blurry medical scans, and explain their decisions so that doctors and patients can trust them. Learn about applications of AI in genomics, hospital admissions, drug discovery, neuroscience, and more.
- Inspirit AI Scholars Live Online (May 2020 - June 2020):** Learned basic AI and ML concepts over the course of 25 hours of instruction and guided coding, culminating in designing, training, and testing a model to find and parse tweets relating to natural disasters to better estimate the needs of effected populations.

SKILLS

- Languages:** Java, Python, C++, C, C#, Javascript/Typescript, HTML/CSS
- Libraries/Frameworks:** React, TailwindCSS
- Developer Tools:** GIT, Firebase, VS Code, Visual Studio

LEADERSHIP & AWARDS

- Best Developer Tool:** Won Stanford Treehacks hackathon award from Warp.dev for ScratchML Project against 300+ projects
- Best Use Of Intel Developer Cloud: 2nd Place:** Won Treehacks award from Intel for ScratchML Project
- Head Coach: Purdue Swim Club:** Elected by club of 200+ paying members to write/run practices and set meet lineups