Akhil Saini

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Education:

University of Connecticut, Storrs, CT   **August 2020 – August 2024**
Bachelors of Science, Computer Science (GPA: 3.6)
Concentration: *Computational Data Analytics (Artificial Intelligence & Machine Learning)*

Advanced Relevant Courses and Technical Skills:

Programming Languages: Python, R, Java, C, C++, Javascript, Typescript, SQL, HTML, CSS
Frameworks & Tools: React, Next.js, Node.js, MySQL, DynamoDB, Git, Docker, RestAPI, GitHub Actions, CI/CD, Kubernetes, Vercel
Courses: Machine Learning & AI, Databases, Big Data Analytics, Cloud Computing (AWS), Systems Programming, Data Structures & Object Oriented Design, Algorithms & Complexity

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Work Experience:

Freelance Software Engineer - *DataAnnotation*   **May 2024 - Present**
- Designed and optimized conversational AI chatbots by performing data-driven analysis with Python, SQL, and C++ and integrating dynamic APIs using RapidAPI to enhance chatbot functionality.

Software Engineer Intern - *Cigna*   **May 2023 - August 2023**
- Worked in an agile environment, using Kore.ai to implement new features in Express Script's pharmacy center chatbot to enhance patient experience during phone interactions.
- Employed test-driven development to fix bugs and optimize QA testing in collaboration with other teams, addressing root causes and determining the best course of action.

Software Engineer Intern - *Cigna*   **May 2022 - May 2023**
- Contributed to the continuous integration of governance frameworks and procedures within an agile environment, advancing a rapid, standardized and repeatable delivery model through the use of RPA tools such as BluePrism, UI Path, Automation Anywhere and other AI/ML technologies.
- Conducted POC's with new intelligent automation tools and technologies utilizing AI/ML/NLP etc.

Data Analyst Intern - *Parkerville Wood Products*   **June 2021 - August 2021**
- Received, cleaned, and prepped over 3 years of sales data using R to create data analytic reports based on KPIs.
- Created predictive analytic clustering models in order to forecast short-term and long-term product performance, as well as to develop marketing plan.

Development Projects:

Drug Affordability Application | *Next.js, Javascript, DynamoDB, AWS Cognito & Lambdas*
- Worked on the frontend & backend to build a drug affordability web-application using a copay algorithm to allow users to find the cheapest drug alternative.

Mobile Health Application | *Kotlin, TypeScript, DynamoDB, API Gateway (AWS)*
- Worked on the frontend & backend to build a habit tracking Android application where users create mental and physical health goals to pursue.

Personal Portfolio | *Next.js, TypeScript, Framer Motion, Tailwind CSS, Vercel*

Extra Curricular:

Independent Study | *Flutter, MySQL, Java*
- Worked closely with a professor at UConn to continuously improve a mobile application which allows users to prepare for unexpected weather issues. Deployed app to IOS store.