

Achintya Rajan

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EDUCATION

University of Illinois at Urbana-Champaign

Master of Computer Science

Bachelor of Science in Computer Science & Chemistry

Champaign, IL

Aug. 2024 – Aug. 2025

Aug. 2022 – May 2024

EXPERIENCE

Software Engineer Co-op

Cohere Health Inc.

May 2024 – Jun. 2025

Remote

- Built UI components with ReactJS and MUI to Figma specs, improving workflow efficiency for the policy team by 20%.
- Led the unification of patient search modals by consolidating Grails API endpoints, increasing workflow turnover by 30%.
- Delivered a critical permissions update, enabling episodic authorizations and saving expenses on 100K+ PT per month.
- Improved slow MongoDB query performance using targeted indexing and optimization by over 70%.
- Authored 4 comprehensive CypressJS end-to-end test suites for critical workflows, ensuring high-quality releases.
- Consistently exceeded team average velocity (5 story points per sprint vs. 3 avg), earning a 6 month co-op extension.

Engineering Team

Disruption Lab at UIUC

Feb. 2023 – May 2024

Champaign, IL

- Built a VR tour experience of the Gies College of Business featuring faculty introduction videos with Unity3D.
- Scraped relevant training data for a custom HuggingFace LLM using Selenium and Langchain's Unstructured library.

R&D Team

Founders at UIUC

Feb. 2023 – May 2024

Champaign, IL

- Built a full-stack application with ReactJS frontend and Django REST backend, connecting UIUC student entrepreneurs.
- Mentored a team of 3 developers in Django and Bootstrap to create a platform which simplifies funding for farmers.

Software Engineer Intern

Kognitos Inc.

June 2023 – Aug. 2023

San Jose, CA

- Engineered 200+ Python functions and unit tests with OpenAI's ChatGPT API, creating the Kognitos standard library.
- Wrote the file processing standard library, providing procedure automation access to file manipulation using AWS S3.
- Developed infrastructure enabling procedure optional parameter handling, reducing the verbosity of automation.

Data Science Intern

Poshmark Inc.

June 2019 – Aug. 2019

Redwood Shores, CA

- Conducted demographic analysis of TV ad spending by identifying misaligned targeting and budget allocations.
- Assisted the allocation of 400K budget increase for male-targeted television advertisements with TV demographic data.
- Identified top-selling athlete and brands using Pandas and Amazon Redshift, empowering a mock jersey market launch.

PROJECTS

brm.achintyarajan.com | *NodeJS, OpenRouter, Tailwind, Vercel, Supabase*

- Renewal calendar app which uses frontier LLMs to extract and display deadline information from uploaded documents.

tftflashcards.com | *Vite, React, Tailwind, AWS Amplify*

- Responsive, mobile friendly web app enabling players to efficiently memorize new information enabling focus on strategy.

blackboard | *Sqlite, Django, Bootstrap, Heroku*

- Learning management system featuring fundamental data analysis, build on a modern, modular web framework.

TECHNICAL SKILLS

Programming Languages: Python, Java, Groovy, TypeScript, C, C#, SQL

Frameworks: ReactJS, Django, Grails, MongoDB, ElasticSearch, OpenAPI, MaterialUI, Storybook, Tailwind, AWS

Cloud & Infra: Docker, Kubernetes, Terraform, EC2, S3, Lambda, Redshift, DynamoDB, Kafka, Spark, Flink

Testing & Observability: Cypress, JUnit, Sentry, Kibana, CircleCI

Relevant Coursework: NLP, Applied ML, Numerical Analysis, Databases, Cloud Computing Applications

Work Authorization: United States citizen