

INIYA MURUGASAMY

847-802-0635 | iniyam@gmail.com | linkedin.com/in/iniyam | github.com/iniyam | U.S. Citizen

Education

University Of Illinois Urbana-Champaign

Aug 2021 – May 2024

B.S. in Computer Science, Minor in Statistics

GPA: 4.0

- Relevant Coursework: Data Structures, Algorithms and Models of Computation, Computer Architecture, Software Design Studio, Discrete Structures, Probability & Statistical Analysis, Numerical Methods
- Campus Involvement: HackIllinois, Society of Women Engineers, Disruption Lab, Outdoor Adventure Club

Technical Skills

Languages: Java, C++, Go, Python, Kotlin, SQL, HTML/CSS, JavaScript, Verilog, Dart, R

Developer Tools: Tableau, AWS, React.js, Next.js, Postman API, Figma, VS Code, Android Studio

Technologies/Frameworks: Linux, Jenkins, Docker, GitHub

Experience

Cisco

May 2022 – Aug 2022

Software Engineering Intern

Chicago, IL

- Revamped Cloud Resource Management platform with 10,000+ users by implementing custom policy enforcement to manage restrictions on creating accounts using Open Policy Agent (OPA) framework
- Integrated policy service within AWS by calling on OPA sidecar to verify account level approvals
- Created Tableau visualizations leveraging MySQL and MongoDB to display and track trends in service usage, account creation, and budgeting
- Mentored high school girls in a coding project bootcamp by leading daily standup calls and refining their final demo

Mathnasium

June 2019 – Aug 2021

Math Instructor

Algonquin, IL

- Enhanced curriculum development for over 40 students – personalized by schoolwork and fundamental math skills
- Implemented innovative resources such as games, interactive objects, and real-life scenarios to engage students

Projects

United Airlines Mobile Optical Character Reader (OCR)

Aug 2021 – Oct 2022

- **Skills:** Python, Textract, AWS
- Designed mobile cloud-based OCR application to automate scanning travel documents and streamline airport check-in
- Reached goal of 75% or greater accuracy of scanned items utilizing python libraries and autocorrect algorithms like Jaccard Distance
- Extracts data elements from images and stores in an AWS database after standardizing the format

Climatic - Climate Change Data Visualization

Aug 2021 – Dec 2021

- **Skills:** HTML, CSS, Python, React, Figma, Firebase
- Displays time space visualization of past greenhouse gas emission trends, corresponding to the US industrial sectors using Chart.js library
- Utilized Google Firebase for backend database connectivity to pull open source data

Leadership & Extracurricular

Disruption Lab at Gies College of Business

Aug 2022 – Present

Software Developer

- Built end-to-end dashboard using Next.js featuring quantitative borrower risk evaluation insights for a subprime auto loan lender, projecting to save around \$1,000,000 by year end
- Automated training and prediction pipelines for ML and NLP risk models so client can invoke processes and visualize data hosted in AWS through a simple user friendly interface
- Wrapped interface in API to consolidate outputs from NLP tool and ML Model to flag high risk borrowers and appraise borrower strength

HackIllinois

June 2022 – Present

Outreach Team

- Secured sponsorship from Meta, John Deere, and Github to drive funding for UIUC's premiere collegiate hackathon
- Increased corporate donations by 30% by restructuring sponsorship packages to include a la carte items
- Coordinated over 1000 students to engage with companies through Q&A sessions, technical workshops, and career fairs

ProjectLinus

Aug 2019 – May 2021

Service Group Founder/Leader

- Donated over 100 homemade blankets in 2 years to Project Linus to provide to hospital patients
- Onboarded new student leaders to manage logistics and financials for future years