Contact

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(LinkedIn)

Top Skills

PowerPoint
Microsoft Office
Microsoft Excel

Certifications

Jodi Glickman on Pitching Yourself

Android Development Essential
Training: Your First App with Kotlin

Java Essential Training for Students

The Six Morning Habits of High
Performers

Neural Networks and Deep Learning

Honors-Awards

Above and Beyond Award

Above and Beyond Award

Dean's Merit List Scholarship

Sirisha Cherala

Software Development Engineer at Amazon | AI Enthusiast
Seattle

Summary

Computer Science Graduate Student with a can-do attitude,
phenomenal time management skills, and a strong user focus
actively looking for a role where I may be able to use my well-honed
skills to develop state-of-the-art scalable software solutions.

That's a brief of who I am and what I am looking for!

A bit deeper about myself:
I strive to be an Algorithm Engineer. This sprouted because I
am mainly interested in how things work the way they work. For
example: If you give me an algorithm and say that this works for a
particular problem- my first question would be how does it work?
What's the idea behind it? Why not some other way? What are the
pros and cons of it? What was the approach that is worse than this?
This thinking made to be successful as a programmer till now and
enhanced my interest in Algorithms.

Besides, this interest in reasoning made me to develop curiosity in
understanding how Machine Learning and Deep learning models
actually work. What is the model learning at each step? I want to
explore this Blackbox which I think would pave a way to make the
Deep learning models better.

Apart from being a Computer Science Engineer, I have an immense
interest in Neuroscience and would love to learn and talk about it. I
am also a philanthropist who likes to participate in volunteer activities
including teaching, taking care of homeless people, feeding animals
and treating dogs.

Experience

Amazon
Software Development Engineer
June 2020 - Present (3 months)

Seattle, Washington, United States

Nokia
Machine Learning Intern
August 2019 - May 2020 (10 months)
Naperville, Illinois

Working on the performance data of Cloud Mobility Manager at Nokia to represent it in a useful format and perform Data Analysis using Machine Learning models for better overload control.

My tasks to start were,
* Parsing large log files having different formats to a single pandas data frame.
* Developing a web application in Python using Flask and React.js to view the data and graphs related to them.
* Applying Machine Learning Models to do understand correlation between different parameters and detect anomalies.

Calamos Investments
Application Development Intern
June 2019 - August 2019 (3 months)
Naperville, Illinois

As an Applications Development Intern at Calamos, I worked on developing web application using .net MVC and JavaScript to efficient manage the Assets under Management(AUM).

Refactored code base and brought down the number of Lines of Code(LOC) from 4000 to 1000 in a Single Project.

Implemented code to generate reports in excel, XML and PDF which are published on the Calamos Website.

Performed Peer reviews, adopted Pair Programming and test driven development. Acted as a mentor for Peer Interns and shared some of the best ways to write clean code.

As a whole, A colleague at Calamos would describe me a "Punctual, Determined and Fast Programmer with immense grasping power"

Illinois Institute of Technology
5 months

Research Assistant
January 2019 - May 2019 (5 months)
Chicago, Illinois

- Researched over 20 algorithms for multi-objective optimization problem which typically is NP-Hard
- Developed a plugin for SLURM Scheduler (Simple Linux Utility for Resource Management) in C to schedule Jobs so as to maximize Burst buffer as well as CPU utilization.
- Wrote a Simulator to test the scheduler and have gained a performance improvement of over 41% when compared to CPU Centric SLURM.

Advancement Ambassador
January 2019 - May 2019 (5 months)
Greater Chicago Area

- Acted as a key figure in raising funds for the welfare of Illinois Tech.
- Was considered as a radiant piece of Sunshine in the team and recognized as the individual who made highest progress in the fiscal year.

Lister Technologies
Software Engineer
September 2015 - August 2018 (3 years)
Bengaluru Area, India

As a Software Developer, I worked on developing e-commerce web applications in an Agile Environment for Kroger and Mumms Software(clients of Lister).
My responsibilities were participating in daily standup meetings, working with stakeholders to gather functional and technical requirements, creating proof of concepts to test our ideas, writing code primarily using Java and JavaScript, conducting peer reviews with other members in the team and utilizing manual and automated methods to test the written code.

Besides, I worked on Database Design, tuning complex SQL queries resulting in a performance improvement of over 75%, creating RestAPI's, Shell Scripting for importing data from Vendor applications, presenting the completed features in Sprint reviews and planning the future sprint tasks, creating high and low level design documents and performing proof of concepts to validate our ideas before implementation.

Defence Research and Development Organisation
Research Intern
December 2014 - April 2015 (5 months)

Researched over 100 different algorithms for Classification and Recognition of Radar Targets(i.e Missile, Jet Aircraft, Helicopter, Commercial Aircraft).

Implemented Dempster Shafer's theory of Evidence for Classification of Radar Targets and used Jet Engine Modulation for Recognition.

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Education

Illinois Institute of Technology
Master's degree, Computer Science · (2018 - 2020)

SASTRA university
Bachelor's degree, Electrical, Electronics and Communications Engineering · (2011 - 2015)

Sri Chaitanya Mahila Kalasala,Hyderabad
 · (2009 - 2011)