Pritham Sriram Govindaraj

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EDUCATION

UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN
MEng in Computer Science
Dec 2014 | Ithaca, NY
Cum. GPA: 4.0 / 4.0
Major GPA: 4.0 / 4.0

ANNA UNIVERSITY
BE in Computer Science and Engineering
May 2021 | Chennai, India
College of Engineering, Guindy
Cum. GPA: 9.02 / 10.0
Major GPA: 9.09 / 10.0

COURSEWORK

GRADUATE
Software Engineering
Database Systems
Applied Machine Learning
Deep Learning
Cloud Computing Applications
(Graduate Research Assistant)

UNDERGRADUATE
Parallel Programming
Operating Systems
Big Data
Data Structures & Algorithms

SKILLS

LANGUAGES & DATA STORAGE
Java • C/C++ • Javascript • Python
MySQL • MongoDB • Ruby • Neo4j

WEB DEV FRAMEWORK
Rails • Spring tool Suite • Angular •
Android Studio • Flask • React • NodeJS

TOOLS & TECHNOLOGY
Git • GitHub • Docker • Apache Tomcat •
Splunk • Linux • Agile • Jupyter Notebook
• Kubernetes • AWS

CERTIFICATIONS

Python	Kaggle	October 2020
Deep Learning	Coursera	April 2020

EXPERIENCE

NATION CENTER FOR SUPERCOMPUTING APPLICATION |
Graduate Research Assistant
Jan 2023 - Present | Champaign, IL

CHRONUS INDIA | Software Development Engineer 1
June 2021 – May 2022 | Chennai, India
- Developed a web application with dynamic charts, providing efficient access to historic business insights through automatic storage and retrieval from **Amazon Redshift (cloud data warehouse)** using React and Ruby on Rails.
- Successfully implemented **WCAG** compliance across the core app, reducing accessibility issues by 40% and improving user experience of challenged users.
- Analyzed and reduced cloud CPU usage spikes, leading to **a 70% decrease in outages** through optimized process implementation.
- Remodeled critical areas in the core application, **resolving 30% of bugs** that were causing unexpected crashes, and significantly improved the code quality and coverage of all associated components.
- Proposed and redesigned the Oauth authentication architecture to accommodate three strategies of Oauth, improving system flexibility.

FIDELITY INVESTMENTS | Summer Intern
May 2020 – June 2020 | Chennai, India
- Automated the existing process to generate graphical representations of log data for the business team, adding **multi-level drill-down graphs** for enhanced analysis using Angular and Spring Tool Suite.
- Preprocessed and centralized **1 million log data** generated by finance aggregator tools into a single structured database, improving data organization.
- Modernized the server status access procedure by integrating server APIs with a new web page, streamlining the process for end users.
- Mentored two candidates, successfully guiding them through the job search process and helping them secure positions as part of the NGO team at Fidelity.

SALZER TECHNOLOGIES | Android App Developer Intern
May 2019 – June 2019 | Chennai, India
- Designed five AJAX web pages for mobile applications, meeting business requirements and optimizing user experience.
- Integrated the app with an external API, allowing for the seamless retrieval, storage, and display of image and video data.

PROJECTS

TAGMEIN | Database Management Project
August 2022 – November 2022
- Developed a web app using React, Node, and express.js, featuring Google Maps integration to facilitate carpooling for UIUC students.
- Created a user-friendly platform that connects UIUC students traveling to similar destinations, thereby enabling carpooling.

PUBLICATIONS

1. Modified GAN for Natural Occlusion Detection and Inpainting of Raw Footage from Video Surveillance, IGI Global - IJBDIA,

2. Image classifying AI Chatbot, IJARIIT