

Gautham Maraswami

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SUMMARY

Computer Science student with 3+ years of experience in architecture design, machine learning, cloud development, full-stack development, and data engineering actively seeking internship opportunities in fall 2023.

EDUCATION

M.S. Computer Science May 2024 (Expected)
Arizona State University, Tempe, AZ **CGPA: 3.89/4**

B.Tech. Computer Science and Engineering May 2019
National Institute of Technology Karnataka, Surathkal, Karnataka India **CGPA: 7.02/10**

PROFESSIONAL EXPERIENCE

Graduate Student Assistant, Arizona State University January 2023 – May 2023

Skills: Computer architecture, Grading, Documentation

- Developed answers for exams and assignments for course CSE-230 Computer architecture and assembly programming.
- Graded exams and assignments, tracking performance of students and maintaining using Canvas.
- Analyzed student performance across various exams and assignments to decide difficulty of the exam and curving.

Software Development Engineer – 2, NextScm Solutions Pvt LTD (INCREFF), Bangalore, India April 2021 – July 2022

Skills: Cloud Computing, Distributed Computing, Architecture Design, JAVA, Infrastructure management, Confluence, training

- Single-handedly developed a hybrid vertically scalable database design. This reduced data redundancy by 80 percent and thus decreased the time consumption which reduced cost to 50 Percent.
- As the youngest tech lead handled the product planning, requirement documentation, roadmap design, prioritization of tasks, and interfaced with the product business team for technical requirements.
- Trained 6 new developers in required technical skills; created training materials and regularly had doubt clearance sessions.

Software Development Engineer – 1, NextScm Solutions Pvt LTD (INCREFF), Bangalore, India May 2019 – April 2021

Skills: JAVA, Spring, Statistical learning, Software security, Automation, Tableau, Google Cloud Platform, Linux, New Relic, Jenkins

- Designed and developed statistical algorithms for buying, distribution and accurately predicting stock exhaustion with case studies, industry practices and business constraints. Brand margin increased by 25 Percent. Module used by over 40 fashion and retail brands worldwide.
- Migrated single tenant SAAS application to multi-tenant Software Architecture without any disruption of services, this reduced cloud resource utilization to 20 Percent.
- Set up end to end Automated Replenishment system, which could generate orders automatically with no manual intervention as per set frequency.
- Built end to end a scalable authentication and authorization service (SSO) with ISO and GDPR Guidelines.

RELEVANT COURSEWORK

Statistical learning, Data Engineering, Software Engineering, Algorithms, Distributed Computing, Artificial Intelligence, Cloud Computing, Semantic web mining

PROJECTS

Face Recognition Application on Cloud Spring 2023

Skills: Open stack, AWS, Docker, Python, Flask, Cloud Infrastructure coding

- Built an elastic IaaS cloud application on AWS with auto-scaling to start and stop the EC2 instances on-demand. The instances evaluate the requested images using a DNN model and cache the results into an S3 bucket.

Apache Sedona Fall 2022

Skills: Scala, HADOOP, SPARK, JAVA, PYSARK

- Implemented new geographical data structure for saving polygon and line in Apache Sedona. An open-source framework for geo spatial data processing.

Extending SDN Functionalities in ns-3 Spring 2019

Skills: C++, C, Python

- ns-3 is a network simulator widely used by computer scientists for performing network simulations. We developed features for Software defined network (SDN) integration in it with the help of OpenFlow library.
- Developed a simulation and compared various routing algorithms on different network topologies.