SANTHOSH SANTHANAM

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EDUCATION

Master of Applied Computer Science, Concordia University   Sep 2021 - May 2023
Relevant Coursework: Advanced Programming Practices, Algorithm Design Techniques, Programming and Problem Solving, and Distributed System Design.

Bachelor of Computer Science, SASTRA University, India   Jun 2015 - May 2019

SKILLS

Languages	Python, SQL, Java
Technologies	React, Git, AWS (EC2, S3, Lambda, API Gateway), SSMS, Spring Boot, Spring Cloud, Docker Azure AI Fundamentals (Certified)

EXPERIENCE

Associate Software Engineer   Jan 2020 - Jul 2021
Bosch Global Software Technologies   *India*

- Was part of the development team for a software tool that provides business insights and recommendations for retail market analysis.
- Developed and integrated a Python-based cron job to automate application's start and end times thereby reducing manual intervention by 80%.
- Created a wizard using Python to automate the creation of devices as things in AWS.
- Developed a key feature to run a cronjob for automating the data flow in the cloud, ensuring consistent data transfer.
- Improved overall application and data security by 60% through the implementation of encryption measures and protections against reverse engineering.
- Collaborated with UI/UX team to enhance user experience, resulting in improved interactivity and usability.
- Built a one-stop dashboard for quick access to essential business information, increasing efficiency.

Software Engineer Intern   Aug 2019 - Dec 2019
Gyan Data Private Limited   *India*

- Implemented mxGraph and JavaScript to simplify process flow diagram creation, leading to a 20% decrease in diagram errors and improved data accuracy.
- Introduced real-time data display in the web app, leading to a decrease in errors during the verification of target data with the source throughout the flow.

Software Engineer Intern   Jan 2019 - Jun 2019
Bosch Global Software Technologies   *India*

- Created an android app for remote access, monitoring and management of home appliances.
- Developed face recognition feature using Microsoft Azure Cognitive Services with an accuracy rate around 90%.

PROJECTS

Gitterific - A Reactive Server Push App. As part of a team project during my Masters program, implemented a reactive web application using the Model View Controller architecture to analyze content on GitHub. The application displayed top issues, pull requests, users, topics, and commits, and asynchronously pushed data to clients using web sockets.

Distributed Data Pipeline With Serverless Architecture. Effectively demonstrated serverless architecture benefits, showcasing various distributed design concepts and providing valuable insights for real-world use cases.