GANESAN SANTHANAM

(352) 871-3468  [ganesan.santhanam96@gmail.com](mailto:ganesan.santhanam96@gmail.com)  [LinkedIn](https://www.linkedin.com/in/ganesan-santhanam-776973a7/)  [GitHub](https://github.com/Ganesh96/)  [Medium](https://medium.com/%40abiganesh96)

# E D U C A T I O N

**University Of Florida, Master of Science in Computer Science (GPA: 3.66/4.00)** Gainesville, FL Highest Distinction, awarded to top 1% of Information Systems Management students for academic excellence Aug 2021 – May 2023 Research Assistant under Prof. Ravi Srinivasan, worked on image processing, language models and developing information systems.

*Relevant Coursework*: Machine learning, Probability for Machine Learning, Formal Language and Computational Theory, Software Engineering, Advanced Data Structures and Distributed Systems

**SRM Institute of Sci. & Tech., Bachelor of Technology in Computer Science and Engineering (GPA: 3.54/4.00)** Chennai, India High Achievers Award, Dean’s List and University Rank 34 among 12,382 Computer Science students June 2014 – June 2018 Teaching Assistant for Soft Computing, Formal Languages, Member of Computer Society of India (CSI), Winner of the Anna University Startup Weekend, 2016.

# E X P E R I E N C E

**Virtual Review Assist** Gainesville, FL

**Software Engineer Intern** Sep 2022 – Dec 2022

* Designed permit management system utilizing PERN stack, resulting in a **29% decrease** in latency and curtailed redundant code by **36%, increased process efficiency**.
* Acted as team lead, and participated in meetings with clients, project managers and other team leads to **contribute towards the delivery plan**.
* Involved in developing services that should categorize, extract contextual information perform required operations/actions.

**Machine Learning Engineer Intern** May 2022 – Aug 2022

* Implemented **document-analyzer using Google Vision** thereby **decreasing manual labor by 80%**.
* Expertly crafted and **deployed optimal docker images for RESTful APIs and web applications on AWS EKS**, delivering scalable, reliable, and capable of handling 10-20k concurrent connections/second.
* Build robust data scrapping tools for multiple data sources, image preprocessing services and databases based on their use cases.

**University of Florida** Gainesville, FL

**Research Assistant** June 2019 – May 2022

* Led a 3 membered team for the migration of 118 SSRS to PowerBI reports and successful data migration from SQL Server 2005 and Oracle to SQL Server 2017. Constructing an automated testing system for product core functionalities based on module dependency graph, demonstrating technical expertise and leadership ability. Agile conversion of business requirements into effective user, property, and contract management modules, causing a 15% efficiency boost and 60% runtime reduction for the Victoria DHHS portal. Enhanced efficiency of BOFA's AML system by 20% by refactoring 80 mapper classes, reduction of the classes by 35.5%.

**Java Developer** June 2023 – Present

* Responsible for maintaining and developing functionalities such as automating email sender and automated messaging services that helps participants of the research keep up with their participation, and responsible for fixing the critical issues that doesn’t affect the progress of research with funding of 6M dollars.

**Infosys** Chennai, India

**.NET Developer** June 2019 – May 2022

* Led a 3 membered team for the migration of 118 SSRS to PowerBI reports and successful data migration from SQL Server 2005 and Oracle to SQL Server 2017. Constructing an automated testing system for product core functionalities based on module dependency graph, demonstrating technical expertise and leadership ability. Agile conversion of business requirements into effective user, property, and contract management modules, causing a 15% efficiency boost and 60% runtime reduction for the Victoria DHHS portal. Enhanced efficiency of BOFA's AML system by 20% by refactoring 80 mapper classes, reduction of the classes by 35.5%.

# P R O J E C T S

[Simple Reddit](https://github.com/Ganesh96/simple-reddit) Jan – April 2022 Under Prof. Dr. Alin Dobra

[Super Resolution](https://github.com/Ganesh96/Super-Resolution) Jan – April 2022 Under Prof. Dr. Kejun Huang

[Cache Simulator](https://github.com/Ganesh96/cache-system) Jan – April 2022 Under Prof. Dr. Ye Xia

[Compiler](https://github.com/Ganesh96/Compiler) Aug – December 2021 Under Prof. Dr. Beverly Sanders

# S K I L L S

**Technical** Python, .NET, Java, Oracle, SQL Server, MongoDB, Microservices, Databases, JavaScript, Elastic Search, Redis, Git, Data Analysis, Keras, AWS, Azure, Kubernetes, Docker, NoSQL, Kafka, Linux Bash

**Project Management** Scrum, Sprint Planning, Azure Boards, Dependency Graphs, GitHub Issues