

Harini Viswanathan

93846-14148 | [Email](#) | [Linkedin](#) | [Github](#) [Portfolio](#)

EDUCATION

SRM University	Vadapalani, Chennai
<i>Bachelor of Technology in Computer Science (CGPA: 8.65)</i>	<i>June 2019 – May 2023</i>
Velammal Matriculation and Higher Secondary School	Nolambur, Chennai
<i>Higher Secondary School (Percentage: 75)</i>	<i>June 2017 – May 2019</i>
Dawn School	Nolambur, Chennai
<i>Secondary School (CGPA: 7.6)</i>	<i>June 2016 – May 2017</i>

EXPERIENCE

Software Engineer	July 2023 – Present
<i>Bank Of America</i>	<i>Taramani, Chennai</i>
<ul style="list-style-type: none">Currently developing and debugging applications like CIA and Codered, where I've successfully debugged over 3+ C# code issues, modified 2+ XML-based configuration files, and written 10+ SQL queries to extract relevant data from databases.Optimized the CI/CD pipeline by modifying 10+ Jenkins files, pushing code changes to Bitbucket using Git, creating builds on Jenkins, creating release branch if required also deploying applications across 2+ environments using Ansible Tower.Updated values for 20+ products in Celestial, ensuring real-time synchronization by replacing previous entries with the current server name.Played a key role in monthly releases by validating smoke testing on Informatica and Autosys for both CIA and Codered products, covering 95% of the platform's critical functionalities.Used PuTTY to run 10+ Linux commands and streamline NPT migration.	
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PROJECTS

Building And Deploying ML Model In AWS Cloud <i>Sagemaker,Lambda,S3,IAM,API Gateway</i>	Project Link
<ul style="list-style-type: none">Established an AWS account and configured a Jupyter notebook in SageMaker AI, laying the groundwork for machine learning model development and enhancing overall project workflow efficiency by 30 hours per month.Prepared the Iris dataset, uploaded it to an S3 bucket using Boto3, and successfully trained an XGBoost model in SageMaker AI, achieving a prediction accuracy of over 90%.Deployed the trained model to SageMaker's Inference Endpoints and confirmed its operational status, ensuring seamless and real-time predictions.Built and deployed an API with API Gateway, created an inference function in AWS Lambda, and assigned the necessary IAM role to ensure secure access for 50+ users.	
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Whatsapp Chatbot Using Android Studio <i>Android Studio, Java , REST API</i>	Project Link
<ul style="list-style-type: none">Created a Java-based application with an edit text and action button, enabling users to send messages to the Chatbot and receive instant responses, improving user engagement by 30%.Integrated the Chatbot using the BrainShop API, ensuring efficient, real-time interaction with minimal latency.	
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TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, C-sharp

Frameworks: React, Node.js, Angular, ASP.NET

Developer Tools: Git, Jenkins, Jfrog Artifactory, Celestial, Informatica, Autosys, PyCharm, SQL Server Management Studio

ACHIEVEMENTS

- Designed and implemented a smart greenhouse agricultural system using IoT and ML algorithms (logistic regression and k-means), optimizing crop growth prediction and farming productivity. Developed a Flask-based web application to display results, with over 100+ users benefiting from the system's insights. [\(Publication\)](#)
- Mastered key concepts in AI workloads, machine learning principles, and the features of computer vision, NLP, and generative AI workloads on Azure, applying these skills in 2+ real-world projects. [\(link\)](#)
- Mastered REST API concepts, applying them in 2+ scalable web applications. [\(link\)](#)