

Harini Viswanathan

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EDUCATION

SRM University

Bachelor of Technology in Computer Science (CGPA: 8.65)

Vadapalani, Chennai

June 2019 – May 2023

Velammal Matriculation and Higher Secondary School

Higher Secondary School (Percentage: 75)

Nolambur, Chennai

June 2017 – May 2019

Dawn School

Secondary School (CGPA: 7.6)

Nolambur, Chennai

June 2016 – May 2017

EXPERIENCE

Software Engineer

Bank Of America

July 2023 – Present

Taramani, Chennai

- 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.

PROJECTS

Building And Deploying ML Model In AWS Cloud | *Sagemaker, Lambda, S3, IAM, API Gateway* [Project Link](#)

- 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.

Whatsapp Chatbot Using Android Studio | *Android Studio, Java, REST API*

[Project Link](#)

- 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.

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](#))