

MADHUPRIYA J

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[Github:MadhupriyaJ](#) [Portfolio:MadhupriyaJ](#)

EDUCATION

Sethu Institute of technology, Madurai

Bachelor of Engineering in computer science

2015- 2019

CGPA:7.22

SBK girls HR sec School

12th Class

2015

Percentage:70%

Amala High School

10th Class

2013

Percentage:91%

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript (ES6+), HTML5, CSS.
- **Frameworks & Libraries:** React (with Redux), Node.js (ExpressJS), Flask, Tailwind CSS, Bootstrap, MERNstack, MVC
- **Web Technologies:** Web Services (SOAP, REST APIs), SOAP XML
- **Databases:** MySQL, NoSQL, MongoDB, MSSQL
- **Tools & IDEs:** VSCode, PyCharm, Git (version control system)

WORK EXPERIENCE

Full Stack Developer-Cerulean Solutions

2023 - Present

- Improved transcription and sentiment analysis for call centers, reducing processing time by 20%.
- Implemented emotion detection using LSTM, improving accuracy by 15%.
- Developed user/admin dashboards for LMS, enhancing user experience by 30%.
- Optimized database performance, reducing query response times by 25%.
- Built secure REST APIs using Flask, improving backend communication by 20%.

iOS Developer-vjh software pvt ltd

January 2021 – April 2021

- Assisted in developing iOS applications using Swift and iOS frameworks, gaining experience in mobile app deployment and troubleshooting.

PROJECTS

Call Center Analytics | ReactJS, Azure OpenAI, LSTMs, python

2024-present

- Integrated Azure services for transcription, sentiment analysis, and topic modeling for call center data.
- Developed a real-time call summarization tool using Azure Speech Service and OpenAI models.

LMS for Cloud Service Providers | ReactJS, JWT, Nodejs

2023 - 2024

- Designed dashboards for users and admins, supporting online course management and real-time chat integration using WebSockets.
- Implemented authentication with JWT for secure access and data management.

ACHIVEMENTS

- Awarded for Outstanding Performance in the World's Largest International Hands-On Security Forensics Competition