

# Jeevitha M

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## EXPERIENCE

### RBG.AI | MACHINE LEARNING INTERN

Jan 2024 – March 2024 | Chennai, Tamil Nadu

- Implemented LLAMA2, a cutting-edge transformer model, and PyTorch for precise text recognition and layout understanding, achieving an accuracy rate of **95%** in text recognition tasks.
- Developed a robust solution capable of intelligently classifying textual and non-textual elements within PDF documents enhancing PDF parsing efficiency.
- Enhanced information retrieval and data processing efficiency by **40%**.

### LIFEASE SOLUTIONS | INTERN-DATA SCIENTIST

Jul 2023 – Oct 2023 | Noida, Uttar Pradesh

- Implemented denoising models (CNN, Bi-LSTM, AutoEncoders) with TensorFlow, PyTorch, resulting enhancement in denoising and **50%** memory reduction. Enhanced text-to-audio pipeline by efficient JSON parsing and advanced audio feature extraction methods.
- Librosa, PyTorch (torch audio), PyQt, TensorFlow, achieving **400%** throughput increase

### TACTLABS | DEVELOPER INTERN

Dec 2021 – Oct 2022 | Ontario, Canada

- Engineered and deployed Streamlit UIs for multiple use-cases
- Developed AI-powered hotel management bot using RasaBot, Word2Vec, BERT, GloVe
- Mentored & Led a 10-member ML & AWS team, increasing productivity by **25%** and project delivery speed by **30%**.

## PROJECTS

### PREDICTION OF EMERGENCE DELIRIUM IN TONSILLECTOMY/ADENOTONSILLECTOMY FOR PEDIATRIC PATIENTS Oct 2023 – Jan 2024

- Assessed logistic regression, random forest, and XGBoost models for emergence delirium prediction, achieving an exceptional AUC-ROC of **0.97** with random forest. Employed K-means clustering to delineate patient subgroups, facilitating tailored perioperative care strategies.

### DOCUMENT LAYOUT ANALYSIS July 2023 – Sept 2023

- Implemented Document Layout Analysis with PyPdf, PdfMiner, and LLAMA 2 to enhance parsing and extraction efficiency. Simultaneously collaborated with MS Azure Document Intelligence & Cognitive Services for comparative analysis, resulting in a **25%** increase in efficiency.

### SECUREKAFKA | END-TO-END SECURITY MEASURES FOR

APACHE KAFKA

May 2024 – June 2024

- SecureKafka employs SSL encryption and authentication to establish a secure communication channel between Kafka brokers via EC2. SASL authentication with Kerberos GSSAPI enabling secure access control for Kafka clusters using ACL's.

## EDUCATION

### ST.JOSEPH'S COLLEGE OF ENGINEERING

BTECH - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

May 2025 | Santhome Chennai 600028

Cum. GPA: 9.15 / 10.0

## LINKS

LinkedIn:// Jeevitha M

Github:// JEEVITHA2512

Medium:// jeevitha.m

## SKILLS

### PROGRAMMING

• Python • SQL • R

### LIBRARIES/Framework

• Tensorflow • Keras • Librosa • PyTorch  
• Seaborn • D3.js • Scikit-Learn

### TOOLS/TECHNOLOGIES

• Git/Github • AWS • MS Azure  
• Streamlit • Power BI • Tableau  
• Apache Kafka • Quicksight • PostgreSQL • Linux • Excel • MongoDB

## CERTIFICATIONS

- Microsoft Azure DP-600
- Microsoft Azure AI-102
- IBM Data Science Certification
- Certificate of Business Intelligence using PowerBI - EY
- Business English Certificate - Vantage

## LEADERSHIP

**AWS Cloud Captain**(AWS Cloud Clubs)  
**1 of 89 Captains (out of 1,187) globally**

## PUBLICATIONS

Payday loans – blessing or growth suppressor? Machine Learning Analysis - [Publication Link](#)

## AWARDS

- **Jan 2024 - 1st/750**, Ideal Analytics Challenge, IIIM-V
- **Dec 2023 - SIH Finalist**
- **April 2022 - 3rd/1350** Cosmic Innovation Challenge IIT-M