

Ramya Devi G S

DATA ANALYST

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PROFILE

Machine Learning Engineer and Computer Science graduate with experience in Artificial Intelligence, Deep Learning, Data Analytics, and Software Development. Skilled in Python, TensorFlow, Keras, Scikit-learn, SQL, OpenCV, and Machine Learning algorithms. Experienced in developing AI-based applications, data preprocessing, model training, and predictive analytics. Professional experience at Amazon and software development internship experience with strong analytical, problem-solving, and teamwork skills.

WORK EXPERIENCE

Amazon 📁, *Machine learning Engineer (13 months)* 03/2025 – Present | Chennai
AI & Data Science Projects

- Developed and trained Machine Learning and Deep Learning models for real-time prediction and classification tasks.
- Built Computer Vision applications using CNN, OpenCV, TensorFlow, and Keras for gesture recognition and object detection.
- Performed data pre processing , feature engineering, model training, hyperparameter tuning, and performance evaluation.
- Worked with structured and unstructured datasets to improve model accuracy and prediction efficiency.
- Implemented classification algorithms and neural network architectures for intelligent automation systems.
- Used Python libraries such as NumPy, Pandas, Scikit-learn, Matplotlib, and OpenCV for data analysis and visualization.
- Collaborated on AI-based solutions focused on accessibility, automation, and real-world problem solving.

Stigmata Solutions LLP, *Intern* 03/2022 – 08/2022
• Worked on frontend and backend integration, leading to performance improvements. Contributed to debugging, testing, and optimizing web applications

EDUCATION

Bachelor of Engineering in Computer Science Engineering, 10/2020 – 07/2024 | Chennai
SRM VALLIAMMAI ENGINEERING COLLEGE
Graduated with First Class with Distinction | CGPA: 8.7/10

Higher Secondary Education (Class XII), *Everwin matriculation higher sec school* 06/2019 – 03/2020 | Chennai
percentage- 71 %

Secondary School Education (Class X), *Everwin matriculation higher sec school* 06/2017 – 03/2018 | Chennai
percentage- 80.6 %

SKILLS

PROGRAMMING LANGUAGE: python , SQL , JavaScript

TOOLS: Tableau , Powerbi , JIRA

CRM TOOL: Salesforce

COURSEWORK: Full stack development ,data science and data analytics

SELF LEARNT CONCEPTS: Networking , testing , Agile & Scrum Support

PROJECTS

Audio Alert System for Visually Impaired People 12/2023 – 03/2024
Developed an audio alert system for visually impaired individuals achieving an accuracy rate of 95% in hazard detection and Utilized Python, NumPy, and TensorFlow to process audio data with an efficiency improvement of 80% compared to baseline methods with 100% accuracy

Sign Language Detection 06/2023 – 10/2023
Spearheaded the implementation of a Python-based Deep Learning solution utilizing Convolutional Neural Network (CNN) architecture to detect sign language gestures in real-time, achieving a 70% reduction in retraining time. Developed a Deep Learning solution with Convolutional Neural Network (CNN) architecture to accurately identify hand gestures in real-time

CERTIFICATES

Salesforce Certified Administrator: Salesforce Certified Administrator (02/2024-04/2024) Earned the SALESFORCE CERTIFIED ADMINISTRATOR Certification through TRAILHEAD on 09/04/2024, demonstrating proficiency in Salesforce administration and Gained hands-on exposure to Salesforce data model, security configuration, automation tools, and platform capabilities relevant to custom development.

Datascience and analytics – Nasscom-2024 National Conference on Recent Trends in Analytics and Technologies: National Conference on Recent Trends in Analytics and Technologies (03/2024 - 03/2024) Attained certification at the National Conference on Recent Trends in Analytics and Computing Technologies (RTACT 2024) on March 15, 2024

LANGUAGES

ENGLISH: Full Professional Proficiency • **TAMIL:** Native or Bilingual Proficiency • **TELUGU:** Speaking proficiency