SRIRAM P

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**Websites, Portfolios, Profiles**

* <https://www.linkedin.com/in/sriram-p-b9a847287/>
* <https://github.com/Sriram2111>

# PROFESSIONAL SUMMARY

A passionate and driven final-year B.Tech student in Artificial Intelligence and Data Science, aspiring to start a career as a Data Engineer at Alcronix**.**  Eager to apply my strong foundation in SQL, Python, data pipelines, and visualization tools to solve real-world problems and contribute to innovative product development. I seek to grow in a learning-driven, team-oriented environment that values curiosity, communication, and continuous improvement.

# WORK EXPERIENCE

AI Intern, Codec Technologies May 2025-June 2025

* Developed and implemented AI-driven solutions using Python and machine learning libraries like Scikit-learn, contributing to a real-time project addressing business-specific challenges.
* Collaborated with project heads in an agile environment to deliver weekly milestones, including model training, testing, and optimization for enhanced accuracy.
* Strengthened technical skills through hands-on tasks on Codec’s platform, gaining exposure to cloud deployment and AI tools, with eligibility for performance-based scholarship awards.

# EDUCATION

## Bachelor of Technology: Artificial Intelligence & Data Science

Saveetha School of Engineering-Chennai 2022 – 2026

* Current CGPA: 8.5 / 10 *(up to 7th semester)*

## Class XII – HSC (Tamil Nadu State Board)

*Wesley’s Matriculation Higher Secondary School, Chennai* 2021 - 2022

* Percentage: 85%

## Class X – SSLC (Tamil Nadu State Board)

*Wesley’s Matriculation Higher Secondary School, Chennai* 2019 -2020

* Percentage: 88%

# CERTIFICATIONS

* Oracle AI Vector Search – Certified Professional
* EC-Council – Certified DevSecOps Engineer
* Advanced Diploma in Python Programming (CSC Computer Education, 2022)
* NPTEL Certificate on Introduction of Things, Technical English and Business Intelligence &Analytics
* International Conference-Research Papers Presented:

*ICRAMM 2024* – Enhancing Consensus in Distributed Systems using PBFT

*ICCII 2025* – Pulse Motor vs. Vehicle for Galaxy Shoe Automation

# PROJECTS

## PLANT PRO | Mobile App

* + Built Plantpro cutting-edge mobile application designed to revolutionize plant care through artificial intelligence Which helps to ensure healthier, thriving plants with minimal effort.
  + Developed an Android app in Java for AI-based plant identification and disease detection using TensorFlow Lite and OpenCV.
  + Implemented personalized plant care schedules, watering reminders, and real-time camera-based scanning features.

## Flood Detection from Satellite Images using CNNs and TF-FloodNet Models

*AI Research Project | Python, TensorFlow, Geospatial Data*

* Built and compared CNN and Transformer-based TF-FloodNet models for urban flood risk prediction using satellite and environmental data.
* Preprocessed geospatial datasets and implemented 12-step Gibbs sampling with a focus on feature extraction and pattern recognition.
* Achieved improved model accuracy (TF-FloodNet: 77.2%) for high-resolution flood risk mapping and early warning systems.

## Retail Sales Data Visualization Dashboard

*Power BI / Python (Pandas, Plotly)*

* Developed an interactive dashboard to visualize and compare product category performance across regions, integrating filters for product types, time frames, and locations to support business stakeholders in deep- diving into sales trends.
* Utilized Python (Pandas) for data cleaning and transformation, and Plotly for custom visualizations before importing the refined dataset into Power BI for advanced reporting.

# TECHNICAL SKILLS

* + Jupyter Notebook • Data Wrangling • SQL • MySQL
  + Python • Git • Power BI(Basic) • Apache Airflow (Basic)
  + Machine learning • Pandas, Matplotlib • Data Visualization • TensorFlow Lite

# DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge.