

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Rajalakshmi Engineering College , Chennai	8.87/10 (Current)	2024-Present
Senior Secondary	The Hindu Senior Secondary School	89.60%	2024
Secondary	The Hindu Senior Secondary School	82.67%	2022

WORK EXPERIENCE

- **Analyse Research Quant (ARQ)**

*Data Analyst Associate*

*Sep 2024 - Present*  
Chennai, Tamil Nadu

– Analyzed customer datasets using SQL and Python, generating insights that improved campaign targeting by 25%.

– Developed automated ETL pipelines consolidating multi-source data, reducing manual reporting time by 40%.

– Created Power BI dashboards to present KPIs and support data-driven decision making for stakeholders.

PROJECTS

- **AMBULANCE DETECTING TRAFFIC SYSTEM**

*Self Guided Project*

*Sep 2024*  
**Github**

– Developed a Smart Traffic Management System using Computer Vision to detect emergency vehicles in real-time through visual and audio cues.

– Implemented virtual environment with automated traffic light control
- **eDNA-VAI-PIPELINE**

*Self Guided Project*

*Sep 2024*  
**Github**

– Engineered an AI pipeline for deep-sea biodiversity assessment using Variational Autoencoder (VAE) to cluster and analyze environmental DNA sequences.

– Enabled computational discovery and classification of novel taxa and biodiversity patterns from oceanic samples.
- **OTHER PROJECTS**

*Self Guided Projects*

*Jun 2024 - Present*

– **AI-powered Code Review for ML Pipelines**, Automated code review tool for ML pipelines analyzing best practices and performance bottlenecks. **[Github]**

– **Loan Eligibility Detector**, Streamlit application predicting loan eligibility using financial and personal data. **[Github]**

– **Billing Management System**, CGI-based system with payment processing, customer management, and history tracking. **[Github]**
- TECHNICAL SKILLS
- **Competitive Programming:**

1. **HackerRank: 5\*Star** rated coder in Python, C ,Java , SQL and Problem Solving. **[prasannanadraj07]**

2. **LeetCode: Expert** at problem solving and DSA and solved over 100 problems. **[Prasanna\_Nadrajan]**

• **Programming Languages:** Python, C, Java

• **DataBases:** SQL, MongoDB

• **Software/Tools:** Visual Studio, Git, GitHub, Jupyter, Google Colab

• **Libraries:** Pandas, Numpy, Dask, Seaborn, Scipy, OpenCV, Flask

• **Cloud:** Google Cloud Platform

• **Soft Skills:** Communication, Leadership, Teamwork, Creativity, Accountability
- KEY COURSES TAKEN
- **ComputerScience Courses:** Data Structure & Algorithm , Object Oriented Programming , DBMS, Java

• **DataScience Courses:** Machine Learning , Data Analytics
- MISCELLANEOUS
- **Board Member in Ethics Club REC**,Promote ethical practices and awareness within the college community

*2025*

• **Completed 100 days of Coding Challenge**,currently progressing through a 200-day DSA roadmap.

*2025*

• **CodeSapiens Git-in-Kadhai**, Secured **3rd position**, among many participants.

*2025*