

Prasanna Nadrajan R

B.Tech - Artificial Intelligence and Data Science

| My Portfolio

Rajalakshmi Engineering College , Chennai

+91-8667687297

prasannanadrajan@gmail.com

GitHub

LinkedIn

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)** Sep 2024 - Present
Data Analyst Associate 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** Sep 2024
Self Guided Project 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** Sep 2024
Self Guided Project 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** Jun 2024 - Present
Self Guided Projects
 - **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:**
 - HackerRank**: 5*Star rated coder in Python, C ,Java , SQL and Problem Solving. [\[prasannanadrajan07\]](#)
 - 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