

# Niyanthri R Sridhar

Bangalore, Karnataka | niyanthrirs@gmail.com | +91 95134 66449 | linkedin.com/in/niyanthri-r-sridhar  
github.com/Niyanthri24

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A final-year **BSc.(Hons) Data Science** student with a minor in **Digital Experience Design**, passionate about integrating data science, cybersecurity, and user experience. Strong foundation in programming, data analytics, and machine learning, complemented by hands-on projects and internship experience. Interested in problem-solving, visualization, and research-oriented data applications.

## Education

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**RV University**, Bangalore, India - BSc(Hons.) Data Science August 2022 – June 2026

- **CGPA:** 8.53/10
- **Coursework:** DAP, DBMS, Advance Data Structures, Full Stack, Object-Oriented Programming, Operating Systems, Data Science, Data Engineering, Probability And Statistics, MDS, Computer Network Essentials, Data Warehousing and Mining, MLOps and LLM's, Natural Language Processing, Big Data Analytics, Data Visualisation with Gen BI, Explainable AI, Software Testing
- **Minors:** Digital Experience Design

**Sri Kumaran Children's Home Composite PU College**, Bangalore, India - PUC September 2020 – May 2022

- **Coursework:** PCMC
- **Percentage:** 86.83

## Experience

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**Summer internship**, RV University – Bangalore, India June 2024 – August 2024

- Focused on understanding the basic of cybersecurity
- Gained hands-on exposure to cybersecurity fundamentals, including malware analysis and OWASP attacks.
- Implemented practices to secure data for personal and peer use.
- Solved Catch The Flag (CTF) exercises which helped gain a further understanding on how things work

**Social Media Manager**, TT Skill – Bangalore, India October 2024 – March 2025

- Designed engaging digital content (posts, reels, and graphics) to promote brand presence.
- Researched trending topics and managed multi-platform posting schedules.
- Enhanced online visibility through consistent branding and targeted content strategies.

**Data Sorter**, AROCHA India – Bangalore, India March 2025 – April 2025

- Organized and analyzed ecological camera trap data for conservation research.
- Supported studies on elephant movement patterns and human-wildlife conflict.

## Projects

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**Research Assistant (Agentic AI Project)** May 2025

- Developed an autonomous AI system to revolutionize the review of scientific literature.
- LLMops principles with modular architecture that integrates ArXiv API, PDF parsing, and citation extraction.
- Achieved 98% task completion rate with high precision in summarization and citation extraction.
- Provides scalable and efficient solutions for academic research workflows.

**Natural Language to SQL (NL2SQL) Converter** May 2025

- Rule-based NLP system converting natural language queries into SQL for non-technical users.

- Implemented with Flask backend using text normalization, keyword recognition, and regex-based entity extraction.
- Supports selections, filtering, aggregations, and basic joins across users, orders, and products tables.
- Provides deterministic, interpretable outputs — ideal for education and lightweight enterprise deployments.

### Brain Tumour Detection

January 2025

- Developed an AI-based system using Convolutional Neural Networks (CNNs) to classify brain MRI scans as tumor or non-tumor.
- Trained on a public dataset, achieving **94% accuracy** on unseen data.
- Built a **Streamlit web app** for real-time MRI image upload and prediction.
- Designed to assist radiologists in early and accurate tumor diagnosis.

### IPL Score Prediction

August 2023

- Built a **Linear Regression model** to predict total runs scored in IPL matches.
- Utilized historical match data including team performance, player stats, and venue conditions.
- Demonstrated the potential of data-driven models in sports analytics and match forecasting.

### Certification

Google CyberSecurity - Professional Certificates, Coursera	June 2024 - January 2025
IBM Data Science Specialization - Professional Certificate, Coursera	January 2025 - July 2025
Google Data Analytics - Professional Certificate, Coursera	January 2025 - October 2025

### Workshops & Seminars

- Data Analytics Workshop, IISc Bengaluru (Apr 2025) – Tableau, Excel.
- AR/VR Workshop, RV University (Mar 2025).
- Student Development Program on Business Analytics Tools (Jan 2025).
- MERN Stack Bootcamp, RV University (Jan 2025).

### Achievements

- 3rd Place, Envision Designathon 2025, Srishti Manipal Institute.
- Awarded **Rajya Puraskar (Governor's Award)**, Bharat Scouts and Guides - 2019
- Certified **Junior Carnatic Musician - Vocal**, Karnataka Secondary Education Examination Board - 2018

### Extracurricular Activities

- Actively organised cultural events as a part of AMEYA Cultural Club at RV University, fostering community engagement and teamwork.
- Volunteered in community service initiatives, including blood donation camps and social awareness programs, demonstrating commitment to social responsibility.
- Hobbies: Photography, Sports, Art, Singing.

### Skills

**Languages:** Python, C, Java, HTML, CSS, JavaScript, SQL

**Libraries/Frameworks:** Pandas, Seaborn, Matplotlib, Flask, Streamlit, D3.js, Unity3D

**Tools:** Tableau, Power BI, Excel, Orange, Google Cloud (Vertex AI, Gemini APIs), Git, Figma, Canva

**Concepts:** Machine Learning, Deep Learning, NLP, Cybersecurity, Data Warehousing, MLOps, XAI