

Haripriya S

• (+91) 6383438988 • Chennai, India • haripriyasaravanan12@gmail.com • [Linkedin](#) • [Github](#)

EDUCATION

Shiv Nadar University, Chennai | B.Tech Computer Science (Cybersecurity)- GPA: 8.33/10 (4th sem) 2022-2026

- Relevant Coursework: Design and Analysis of Algorithms, Machine Learning, Data structures, Computer Networks, Operating Systems, Modern Cryptography, Classical Cryptography, Digital System Design, Python, Java, C etc.
- *Joint Head of SNUC Mudivili* - Tamil club: Coordinated events and managed communications.
- *Core Committee Member*, SNUC Spectre - Gaming club: Organized tournaments and developed community engagement strategies.

Maharishi Vidya Mandir | Class XII - All India Senior School Certification Examination: **89.2% (PCM)** 2021-2022

Narayana e-techno School | Class X - All India Senior School Certification Examination: **93.2%** 2015-2020

PROJECTS

Xpnse - Predictive Expense Tracker and Budgeting API (Ongoing)

- Developed a backend **RESTful API** using **Node.js**, **Express.js**, and **MongoDB** to model and log user expenses based on predefined day types for accurate financial insights..
- Designed and implemented a custom **algorithm** for predictive budgeting, incorporating user income, special expenses, and savings goals, improving expertise in **data modeling** and **forecasting**.
- Implemented **JWT-based authentication** and middleware for secure access control, enhancing knowledge in **API security** and authorization practices.
- Utilized **Postman** for API testing and **Git/GitHub** for version control, ensuring efficient debugging, collaboration, and documentation of backend services.

[Air Quality Prediction System - Strategic Tool for Urban Planning and Environmental Policy](#)

- Led the development of a **high-precision forecasting system** utilizing **ARIMA** and **LSTM models**, achieving **95% accuracy** in air quality predictions.
- Spearheaded **advanced data preprocessing and model fine-tuning techniques**, resulting in a **25% reduction in prediction error** and enhanced reliability.
- Engineered a **scalable solution** capable of processing and analyzing large datasets, specifically handling **1.9 million rows** from the **Delhi Air Quality** and **Delhi Weather** datasets.
- Created a system that **informs environmental policy and supports urban planning efforts**, adaptable across various regions and pollutant types.

[TechCast Central - Innovative Platform for Tech Podcast Aggregation](#)

- Architected and deployed a **content aggregator website** using **Django** and **RSS feed parsing**, significantly enhancing content visibility by **50%**.
- Directed the design and implementation of an **intuitive user interface** utilizing **HTML**, **CSS**, and **JavaScript**, boosting user engagement by **30%**.
- Managed the **full project lifecycle** including **version control with Git**, delivering the platform **20% ahead of schedule** and integrating user feedback to elevate satisfaction levels.

TECHNICAL SKILLS & ABILITIES

- **Languages:** Python, Java, C, C++, HTML, CSS, JavaScript, React, .NET API, MongoDB, SQL
- **Developer Tools:** VS Code, Postman, Git, Github, Colab
- **Frameworks:** Flask, Django, Express.js
- **Technical Skills:** Full stack development, Machine Learning, Deep Learning, Neural Networks, Time Forecasting, Regression, EDA, API building, Web Scraping