Sona V
M.Sc. Integrated Computer Science
College of Engineering, Guindy, Anna University, Chennai

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EDUCATION

- **College of Engineering, Guindy, Anna University, Chennai** — *2021-2026*
  M.Sc. Integrated Computer Science — CGPA: 7.53

- **Geethanjalee Matriculation Higher Secondary School, Coimbatore** — *2007-2021*
  Senior Secondary — Grade: 9.5

EXPERIENCE

- **Software Developer Intern** — *June 2024 - Feb 2025*
  DevAssure Software India Private Limited

  - Developed a full-stack MVC dashboard using Rails, React, and RTK Query, enabling real-time filtering of 10,000+ records via MongoDB aggregation
  - Implemented real-time visualizations using WebSockets and designed role-based access control for secure user management
  - Engineered RESTful APIs and managed hybrid data storage systems with PostgreSQL and MongoDB
  - Developed a report generation module with dynamic charts (line, bar, pie), exporting 100+ reports/month
  - Delivered a polished UI with Fluent UI, ensured performance through query optimization, and validated all modules via detailed test plans

PERSONAL PROJECTS

- **Movify | Python, Spotify API, Apple Music XML, Spotipy**
  An automation tool for migrating playlists from Apple Music to Spotify

  - Parses Apple Music XML files and creates equivalent Spotify playlists using Spotify API
  - Automates the switch from Apple Music to Spotify, saving manual effort

- **AURA - Attendance with Unique Recognition and Audio | Python, DeepFace, Speech Recognition**
  An automated real-time attendance system using facial and voice recognition

  - Combines facial recognition for teacher identity confirmation and voice recognition for student check-in to enhance attendance accuracy
  - Provides an efficient and contactless way to record attendance with instant data access

SKILLS SUMMARY

Programming Languages: Python, Ruby, Rust, Java, HTML5, CSS3, TypeScript, JavaScript

Frameworks & Libraries: Ruby on Rails, Fluent UI, ReactJS, NodeJS, RTK Query

Tools & Platforms: Git, GitHub, GitLab, VSCode, WebSockets, RESTful APIs, Postman, Linux

UI/UX & Design: Figma, Adobe Illustrator, Adobe Photoshop, Canva

Databases & Storage: PostgreSQL, MongoDB, MySQL

Relevant Coursework: Data Structures, Object-Oriented Programming, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Design and Analysis of Algorithms, Data Warehousing and Mining, Artificial Intelligence, Big Data Analytics, Distributed and Cloud Computing

Soft Skills: Problem Solving, Self-learning, Team Collaboration, Time Management, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

- **Director of Design** - Rotaract club of CEG — *Aug 2024 – Present*
- **Student Director of Media** - Mathrix Official — *Jan 2025 – Present*
- **Head of Multimedia** - Math Computing Society — *Mar 2024 – Present*

LANGUAGES

English | Tamil | Malayalam | Japanese