RAGAVI.S

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Profile Summary:

Recent Computer Science graduate specializing in AI automation, workflow orchestration, and Python-based integrations. Experienced in building real-world automation systems using n8n, APIs, Supabase, Gemini, and Docker. Skilled at creating automated Telegram/Instagram workflows, backend integrations, and data-driven tools. Strong foundation in Python, SQL, and machine learning, with hands-on experience solving practical automation problems.

Technical Skills:

- AI & Automation: n8n, Webhooks, API Integrations, AI Agents, Workflow Automation
- Programming: Python, SQL
- Backend & Databases: Supabase, PostgreSQL, FastAPI (Basics)
- Tools & Platforms: Docker, Cloudinary, Git/GitHub
- Machine Learning: TensorFlow, Keras, Scikit-learn, OpenCV
- Microsoft Tools: Excel, PowerPoint, Word

Projects:

PriceUpdaterBot – Telegram Chatbot Automation

- Built an AI-powered Telegram bot workflow using n8n.
- Fetches product prices from Supabase using SKU input.
- Integrated Google Gemini for intent detection, classification, and structured response formatting.
- Deployed automation using Docker for stable execution.

Social Media Automation Workflow

- Designed a complete automation pipeline for auto-generating, approving, and posting content.
- Automated topic discovery, caption creation, image generation, and posting to Instagram, LinkedIn, and Twitter.
- Used Gemini, Cloudinary, and platform APIs for hosting, watermarking, and scheduling.
- Reduced manual effort by 80%.

Brain Tumor Detection Using Machine Learning and Advanced Classification Techniques

- Built a preprocessing pipeline that reduced MRI dataset cleaning time by 40 hours.
- Implemented transfer learning + augmentation, reducing misclassification errors by 30%+.
- Tools: Python, TensorFlow/Keras, OpenCV, Matplotlib.

Internship:

Shiash Info Solutions Pvt Limited   **(October 2024 - December 2024)**
Data Science Intern

- Gained hands-on experience in Python and SQL for data analysis.
- Worked on preprocessing, analyzing, and visualizing datasets to extract actionable insights.
- Developed interactive dashboards and reports using Power BI, enhancing data-driven decision-making.
- Contributed to a real-world data science project focused on Sentiment Analysis of Amazon reviews.

Certifications/Courses:

- Cognitiveclass.ai: Data Analysis with Python, SQL and Relational Databases
- GUVI: SAWIT.AI Learnathon - Generative AI Fundamentals
- Udemy: SQL for Data Science

Education:

Sathybama Institute of Science and Technology, Chennai   **(September 2022 - May 2025)**
Bachelor of Science in Computer Science (CGPA 7.7)

St. Ursula's A.I.Hr.Sec.School, Church Park, Chennai   **(June 2021 - May 2022)**
HSC