DHANUSHRAGAV SHANMUGAM

LinkedIn: https://www.linkedin.com/in/dragav/ **Email:** er.dhanushragav2022@gmail.com
GitHub: https://github.com/S-Dhanushragav **Mobile:** +91-7598335913

SUMMARY

Data Science and Machine Learning student with hands-on internship experience in developing and prototyping AI-powered features at Haqdarshak. Proven ability to build end-to-end full-stack projects using Python, FastAPI, and ReactJS. Experienced in leading teams and delivering GenAI solutions, including a real-time AI sales call assistant for Infosys Springboard.

SKILLS

Languages & Frameworks: Python, Java, SQL, R, ReactJS, FastAPI, HTML5, CSS, JavaScript
DevOps / Platforms: Docker, Jenkins, Linux, Git & GitHub, Tableau, Power BI,
Soft Skills: Problem-Solving, Team Management, Adaptability, Continuous Learner

EDUCATION

Lovely Professional University **Jalandhar, PB**
B-Tech in Computer Science and Engineering | Specialization: Data Science & Machine Learning | 7.7 CGPA **08/2022 - Present**

Velalar Vidyalaya Senior Secondary School **Erode, TN**
Senior Secondary - 74.8% | PCM - Physics, Chemistry, Mathematics **04/2020 – 03/2022**
Higher Secondary - 84.5% **04/2018 – 03/2020**

INTERNSHIP

AI Intern | Haqdarshak | Pune, India | On-site **08/2025 - Present**
- Developed a conversational AI bot in Python to automate government scheme eligibility checks, integrating the DQ API and a custom JSON mapper for structured data handling.
- Utilize Python, Django, and REST APIs to design and prototype scalable AI functionalities within the existing product ecosystem.
- Collaborate with the R&D engineering team on the full product lifecycle, from data preparation and conceptualization to testing new AI-powered features

AI Developer (Team Lead) | Infosys Springboard Virtual Internship 6.0 **08/2025 – 10/2025**
- Led a team to develop a real-time AI sales call assistant to analyze and enhance conversation strategies by 35%.
- Implemented high-speed speech-to-text transcription using Whisper API with 89.5% accuracy.
- Integrated Gemini and OpenRouter LLMs to generate instant call summaries and log analysis to Google Sheets.

Machine Learning Intern | Orinson Technologies **12/2024 – 01/2025**
- Developed regression models (House Price, Student Scores) with 90%+ accuracy using supervised learning.
- Applied feature engineering and data preprocessing techniques, improving model performance by 15%.
- Built an NLP-based Resume Analyzer to automate screening and reduce hiring time by 40%.

PROJECTS

Scheme Research Assistant | Streamlit, LangChain, FAISS, HuggingFace, OpenRouter LLM **06/2025**
- Designed a Streamlit-based app to parse and summarize government scheme data using PyMuPDF and BeautifulSoup.
- Integrated Mistral-7B via OpenRouter API with LangChain and FAISS for document-based Q&A and semantic retrieval.
- Enabled source-aware responses and structured summaries to support transparent, low-resource AI interactions.
- GitHub Repository Link: https://github.com/S-Dhanushragav/Sample-Gov-Scheme-Assistant

Resume AI: Intelligent Resume Checker | FastAPI, ReactJS, NLP, Docker, Jenkins **03/2025 – 04/2025**
- Built a full-stack AI tool to match resumes with job roles using NLP-based skill extraction.
- Developed ReactJS frontend and FastAPI backend with PostgreSQL, Docker, and CI/CD using Jenkins + GitHub Webhooks.
- Enabled automated screening insights such as matched and unmatched skills, streamlining early recruitment filtering.
- GitHub Repository Link: https://github.com/S-Dhanushragav/Resume-Scheduler

CERTIFICATIONS

- Principles of Generative AI Certification | Infosys springboard - Certificate Link **06/2025**
- Google Advanced Data Analytics | Google - Certificate Link **01/2025 – 03/2025**
- Visualization: Empowering Business with Effective Insights | Tata Group - Certificate Link **12/2024**
- IBM Python for Data Science, AI & Development | IBM - Certificate Link **09/2024 – 11/2024**
- Complete Data Science and Machine Learning Program | Geeks for Geeks - Certificate Link **05/2024 – 07/2024**

ACHIEVEMENTS

- Attained 2nd Position in One India 2025 Event at LPU **04/2025**
- Attained Rajya Puraskar Award in Scouts and Guides **01/2020**