

Shreyas Salian

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PROFESSIONAL SUMMARY

Innovative Electronics and Artificial Intelligence professional with expertise in Python, TensorFlow, and full-stack development. Experienced in delivering scalable AI and automation solutions, with over 5 deployed projects impacting more than 1,000 users. Strong foundation in embedded systems, machine learning, and web development, with a focus on innovation and operational efficiency.

EDUCATION

- **M S Ramaiah University of Applied Sciences**, Bangalore
Bachelor of Technology - Electronics and Communication Engineering; CGPA: 9.78
Sept 2023 – June 2027
- **Indian Institute of Technology Ropar**, Ropar
Minor in Artificial Intelligence and Machine Learning; CGPA:6.86
Aug 2024 – Sept 2025
- **Dakshina Bharat Hindi Prachar Sabha**
Rashtrabhasha Praveen (Uttarardh) – Equivalent to B.A. in Hindi
Sept 2016 – Sept 2019

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, C++, JavaScript, HTML, Assembly, Verilog (Basics)
- **AI/ML:** TensorFlow, NLP, CNNs, PageRank Algorithm
- **Web Development:** React (Basics), Django, Flask, Firebase
- **Tools & Platforms:** Git, Arduino, Raspberry Pi, MultiSim, VS Code, Google Colab
- **Soft Skills:** Leadership, Project Ownership, Public Speaking, Problem Solving

EXPERIENCE

- **MESCOM – Chikmagalur**, Intern – Load Management System Prototype *Dec 2024*
 - **Project Link:** [GitHub Repository](#)
 - Developed a **Python-based simulation platform** to model and optimize power distribution logic, enabling accurate load forecasting and efficiency improvements.
 - Designed and implemented an **interactive desktop GUI** for real-time feeder-level data visualization, integrating dynamic data refresh and user-friendly navigation.
 - Delivered a software solution compliant with **state electricity board data protocols**, ensuring scalability and adaptability for large-scale deployments.

PROJECTS

- **AI Mock Interview Simulator (2025)** *Tech Stack: Python, Hugging Face Transformers, Flask, JavaScript*
 - Built a transformer-based NLP model for adaptive question flow using Hugging Face, integrated with a custom scoring API in Flask.
 - Achieved a **40% improvement** in response relevance by implementing semantic feedback for personalized tips.
 - Designed a modular architecture for easy integration with web-based interview platforms.
 - **Project Link:** [GitHub Repository](#)
- **Smart Attendance System (2025)** *Tech Stack: Python, OpenCV, Flask, Raspberry Pi, Firebase*
 - Developed a face-recognition attendance tracking system with real-time web dashboard.
 - Reduced manual logging time by **90%** through automated record updates.
 - Implemented secure cloud storage and instant report generation.
 - **Project Link:** [GitHub Repository](#)

CERTIFICATIONS

- Certificate of Deployment – Timetable Automation System, MSRUAS (2025)
- Certificate of Deployment – College NBA Website, MSRUAS (2025)