

# RAHUL SETH

+91-919717861405   srahulseth7@gmail.com   LinkedIn   Gurgaon, Haryana

## SUMMARY

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Embedded + AI engineer with 3+ years across embedded systems, web apps, and AI. Started in embedded development, which taught me product thinking - now applied to AI solutions. Delivered 3 energy products generating \$2M+ revenue, 2 AI apps saving 1,500+ engineering hours, and automated QA processes. Built AI automation platforms using LLMs and modern frameworks while maintaining deep understanding of performance constraints in embedded environments.

## WORK EXPERIENCE

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### Baker Hughes

#### Lead AI Engineer - Full Stack + AI

**India**  
*Mar'25 – Present*

- **TL;DR:** Identified roadblocks, pitched AI to C-Suite, delivered POC, now leading AI roadmap & development
- Identified 6 bottlenecks in internal processes for AI integration, pitched to C-Suite securing approved AI roadmap through Q4'26
- Led development of AI document review platform; used Mistral/Llama.cpp/Agno, created collaboration platform for authors, QA & SMEs
- Architected full-stack solution with 2 interns: Python/FastAPI/PostgreSQL backend, TypeScript/React frontend, Docker/Azure deployment
- Projected to save 1,500+ hours annually and over \$30K/project by freeing up senior engineering resources

#### Software Engineer - DevOps + Web Apps + Embedded Software

*Sep'23 – Present*

- **TL;DR:** Full-stack embedded + web developer leading UI/UX portfolio, DevOps, & delivery across 4 products generating \$2M+ revenue
- Led embedded UI/UX development using C/C++/TouchGFX; introduced Figma design reviews improving PM-developer collaboration
- Built first CI/CD pipeline with self-hosted/GitHub runners, saved 1 hr/PR through automated builds, static analysis, and tech debt metrics
- Took over leadership for a product mid way; led 3 developers; delivered 10 high-priority features and 20+ bug fixes on time
- Low-level embedded development: RTOS programming, Modbus protocols, Flash memory optimization, and hardware driver development

### Baker Hughes

#### Software Engineer - Embedded Software

**Ireland**  
*Aug'22 – Aug'23*

- **TL;DR:** Graduate engineer promoted to SWE in 5 months through hands-on embedded development
- Developed simulator-based development framework using Python and Windows APIs, enabled faster validation for embedded systems
- Built Python data validation service for 20+ hygrometry algorithms, reduced testing time by 60% and caught critical errors pre-hardware
- Retained by organization during planned India relocation after demonstrating strong performance in first engineering role

### Global Strategic Law Council

#### AI Engineer (Pro Bono) - LangChain, RAG, Multimodal Agents

**India**  
*Jan'25 – Present*

- **TL;DR:** AI Product Leader collaborating with lawyers to build fast document review tools for pro bono legal aid
- Led product discovery with 6 lawyers in team of 4, defined user personas and created PRD for AI-powered case review application
- Developed document summarization system using Gemini/OpenAI SDKs, reducing lawyer case review time from 8-10 hours to minutes
- Architected full production platform using Python/FastAPI, React, Docker deployed on Digital Ocean with Supabase database integration

## EDUCATION

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### Trinity College, Dublin

#### BAI Computers Engineering

**Ireland**

- **Activities:** VP Indian Society, Lead Formula Trinity, Voluntary Tuition Program, Sustainability project top 5 in class

## SKILLS

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**AI/ML:** OpenAI/Gemini SDKs, Agno, LangChain/Graph, Llama CPP, Spacy, HuggingFace, Embedders

**Programming & Frameworks:** Python, PyTorch, Git, PostgreSQL, FastAPI, React, Shell/Batch/Make, Figma, C/C++

**Infra & DevOps:** Docker, Azure, GCP, Supabase, DigitalOcean, Linux, Sentry, FastAPI, Github Actions, Parasoft