

# RAGHU SUBRAMANIAN

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## EDUCATION

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### UT Austin

Jul 2025 – May 2026

MS, Information, Risk, and Operations Management; Hildebrand Scholar

GPA: 4.0/4.0

– Coursework: Advanced Algorithms, LLM Optimization, ML for DeFi Applications; graduate research in LLM guardrails, eval design, and AI governance for enterprise compliance

### National Institute of Technology Calicut, India

Jul 2017 – May 2021

B.Tech, Biological Sciences Engineering & Symbolic Systems, Department Rank 3/120

CGPA: 8.62/10

## SKILLS

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- **Applied AI:** agentic systems, LangGraph, LangChain, RAG, LayoutLM, EasyOCR, function calling, prompt engineering, ground-truth evals, eval architecture, LLM safety and guardrails, OpenAI API, PyTorch
- **Engineering:** Python, TypeScript, Node.js, React, SQL, REST/GraphQL APIs, webhooks, event-driven architectures, Elasticsearch, Docker, GCP, CI/CD, observability, logging, telemetry
- **Customer Engineering:** technical discovery, requirements workshops, proof-of-concept execution, enterprise deployments, demo-to-production delivery, GTM-to-engineering feedback loops

## PROFESSIONAL EXPERIENCE

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### Synthio Labs (YC X25)

Apr 2026 – Present

Founding Forward Deployed Engineer, GTM

San Francisco, CA

- Built pharma field-rep AI agents end-to-end: CRM workflow integrations, LiveKit voice pipelines, agent operating protocols, prompt-engineered behavior, and ground-truth evaluations
- Own full customer lifecycle – discovery through production – across 3 of the top 10 pharma enterprises in regulated data environments; drive GTM-to-engineering feedback loops and define eval coverage per integration

### NetApp

Jan 2026 – Apr 2026

Machine Learning Intern

Austin, TX

- Built production Python forecasting pipeline on HG Insights signals using state-space models and regime segmentation; surfaced decision-ready adoption outputs with SQL-driven dashboards for product stakeholders
- Received full-time offer from the Infrastructure Optimization team based on project outcomes

### Sprinklr

May 2022 – Jun 2025

Senior Forward Deployed Engineer (promoted Sep 2023)

Bangalore, India

- Designed and deployed AI agent integrations connecting enterprise CCaaS systems via REST APIs, webhooks, and Elasticsearch; owned full implementation from technical discovery through production go-live
- Built TypeScript/Python developer tooling for release validation and deployment observability – structured logging, telemetry, and regression checks across enterprise deployments; drove accuracy +20%, latency -14%, throughput +11%
- Integrated multilingual conversational AI workflows across 100+ language markets using event-driven architectures and real-time API integrations; reduced issue-resolution time by 20%
- Led cross-functional feedback loops between customers, engineering, and product; translated field implementation friction into shipped platform improvements

### Zifo RnD Solutions

May 2021 – May 2022

Member of Technical Staff

Chennai, India

- Built Python ETL pipelines for heterogeneous pharma data sources; schema alignment, data mapping, and unstructured-to-structured transformation at 500GB+/day with 12% efficiency improvement

### Bain & Company

Jan 2021 – Apr 2021

Consultant Intern

India

- Modelled ~\$50M in cost synergies and mapped operational bottlenecks for a medical device merger; outputs directly informed deal-team recommendations

## PROJECTS AND HACKATHON WINS

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### Smart Doc Approver – Agentic Document Intelligence Pipeline

Texas TreeHacks winner 


- End-to-end document intelligence pipeline – LayoutLM + EasyOCR for structured extraction from unstructured financial receipts, LangGraph orchestration, XGBoost classification, semantic anomaly detection with approval routing; lifted F1 to 79% and anomaly detection to 100%

### LifeLedger – Personal Finance Intelligence Engine

Data Portability Hack '26 winner 

- Full-stack agentic system (TypeScript, Express, Python, PostgreSQL) with multi-source API ingestion, RAG-backed insight layer, function calling, and BYOK LLM routing via OpenAI/Groq/OpenRouter

### ChargePilot EV Optimizer – Geospatial AI Decision Support

SF Ventures Hack 2026 winner 

- Python ETL pipeline integrating heterogeneous public data sources (OCM, Census, GeoJSON) with graph-based scoring; SQL analytics layer generating ranked stakeholder-ready expansion outputs

## LEADERSHIP & IMPACT

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- **OpenAI Codex Ambassador** (Jan 2026 – present): organized Codex hackathons; building Austin's AI developer community
- **Lead, WeCare Pan Asian Network** (Sprinklr): DEI and well-being initiatives; 30% engagement increase