

# Manav Agarwal

BUILDER · DESIGNER · SYSTEMS THINKER

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Bhubaneswar, India

CSE graduate and technology-consulting intern who blends software engineering (Python, full-stack, AI/RAG) with product design and a problem-first mindset — turning ambiguous problems across cybersecurity, automation, and AI into measurable outcomes.

## EXPERIENCE

### Ernst & Young (EY) — Associate Consultant Intern, Cybersecurity

Feb 2026 – Present

Technology Consulting · Bangalore

- Built a Python tool (raw JSON → structured Excel) that cut a recurring **~10-hour process to ~10 minutes (~98% faster)**.
- Lead developer at a client hackathon — **placed 3rd of 260+ teams** — then productized it into an internal full-stack OT cybersecurity compliance platform (Next.js/FastAPI, RAG over IEC 62443 / NIST).
- SOC 2 Type II control mapping & testing across 7+ vendor services; audit-ready documentation.

### ABB — AI Intern, Digital Systems R&D

May – Jun 2025

Bangalore

- Architected a multilingual intelligent search (**15+ languages**) using .NET + dynamic LINQ over a 10,000+ document SQL Server database.
- Groq/LLaMA to translate natural language → optimized LINQ (**~40% faster**); HuggingFace reranker improved relevance **~35%**.

### Aarvik Global — Founder, Product & UX Lead

Aug – Dec 2024

Chennai

- Owned product strategy for a cross-platform productivity SaaS; 15+ Figma prototypes, 20+ user interviews → 50+ user stories; secured pre-incubation from VIT E-Cell.

## SELECTED PROJECTS

### Soil Insights — AI Application

Python, Flask, AWS, LangChain

- Dual-LLM pipeline (image validation at **92%** + insight generation); **50+** beta testers.

### SproutJourney — AI Learning Platform

Python, RAG, ChromaDB, Azure

- Local RAG pipeline + Azure TTS; cut query-to-speech latency **30%**. Top 12 / 100+ (T\$O).

## EDUCATION

### B.Tech, CSE (Cyber-Physical Systems)

VIT Chennai · CGPA 8.93 · 2022–2026

### SAI International School

94.4%

## LEADERSHIP

### Founder, WorkWaves

Pre-incubated by VIT E-Cell

### Founding Design Lead, Fraternity of Leaders Club

VIT Chennai

## SKILLS

### LANGUAGES

Python, C/C++, Java, JS/TS, SQL, R

### FRAMEWORKS & TOOLS

FastAPI, Flask, .NET, Next.js, React, Node, LangChain, ChromaDB, Docker, Azure, AWS

### SECURITY

SOC 2 Type II, IEC 62443 / NIST CSF, GRC

### DESIGN & PRODUCT

Figma, UX research, prototyping, MVP scoping

## ACHIEVEMENTS

Smart India Hackathon 2023 — Finalist, Top 5 / 300+

Eureka Zonal Finalist — IIT Bombay

Top Coders List — 2026 Batch

