SUPRAKASH DHAR

Forward Deployed Engineer

AI & AGENTIC DEVELOPMENT | AUTOMATION | APIS & INTEGRATIONS

[redacted] • [redacted]
LinkedIn • GitHub • Portfolio

PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in rapid prototyping of AI-powered systems, backend API integrations, and automated workflows. Experienced in translating complex, ambiguous user requirements into functional web applications using Python, FastAPI, React, and LLM services. Skilled in engaging directly with stakeholders, driving end-to-end execution under time constraints, and building dependable, user-facing software solutions.

TECHNICAL SKILLS

AI & Agentic Workflows:	LLM APIs, Generative AI, Prompt Engineering, AI Workflows, Search & Retrieval Workflows
Software Engineering:	Python, JavaScript, React, FastAPI, Node.js, Express.js, REST APIs, SQL
Data & Integrations:	API Integration, JSON, Database Design, PostgreSQL, Supabase, External Service Integration
Frontend & Tools:	React, Vite, Tailwind CSS, Git, GitHub, Postman, Airia.ai (Low-Code/No-Code AI Automation)

PROFESSIONAL EXPERIENCE

Physics Wallah — **Analytics Trainee** May 2026 – Present | Bangalore, India

- Analyze operational workflows and requirements to formulate data-driven software solutions and automated workflow improvements.
- Collaborate directly with cross-functional stakeholders to translate business problems into technical specs and evaluate implementation trade-offs.
- Prototype software utilities and leverage emerging AI technologies to streamline data processing and internal team operations.

AI & SOFTWARE PROJECTS

Life Admin AI dApp — **Solo Winner (3rd Prize)** [GitHub] [Live Demo] [LinkedIn Proof]

- Prototyped and built a full-stack personal operations assistant independently within a 36-hour sprint to manage task automation, daily schedule management, and reminders from a single interface.
- Integrated external APIs and LLM services to ingest unstructured user activity data and convert complex queries into structured operational schedules.
- Designed and deployed a responsive frontend communicating with a backend architecture to process real-time workflow requests.

LegalEase AI — **Team Lead / Winner (3rd Prize)** [GitHub] [Live Demo] [LinkedIn Proof]

- Engineered an intelligent legal clause comparator using Airia AI that analyzes raw contract text to identify high-risk liabilities, summarize structural differences, and suggest balanced provisions.
- Implemented automated text processing pipelines leveraging LLM capabilities to detect manipulated language and flag non-standard clauses.
- Led a project team during a 24-hour sprint from initial problem framing to delivering a functional prototype presented to non-technical evaluators.

BWT Protocol — **Real-World Organization Project** [GitHub] [Live Demo] [LinkedIn]

- Architected and delivered a custom web platform and anonymous digital voting application for Barakha Welfare Trust (NGO).
- Gathered operational requirements directly from stakeholders to design an intuitive voting interface guaranteeing member privacy and transparent election management.
- Configured database schema, user authentication, and backend workflows using Supabase and PostgreSQL to maintain data integrity across real user interactions.

LEADERSHIP & USER ENGAGEMENT

- **RIFT Hackathon:** Coordinated community outreach generating 8,000+ registrations and secured ₹1.8 lakh sponsorship from Algorand. Managed sponsor pipelines.
- **PW IOI & Community Hackathons:** Organized SIH Internal Hackathon for 60+ participants, directing judging criteria, scheduling, and evaluation workflows.
- **Coding Dojo Program:** Co-led recurring development initiative at PW IOI, designing challenge problems for competitive engineering community.
- **Ecosystem Immersion:** Participated in 60+ tech events in Bengaluru across AI, Web3, APIs, startups, and software development.
- **Web3 Community Lead:** Led Web3 domain initiatives at PW IOI / Algorand Club, conducting workshops and connecting students to hackathons.
- **Campus Ambassador (Anakin - Y Combinator backed):** Managed student outreach, generating 100+ registrations (72 active) and bridging students

HACKATHON ACHIEVEMENTS

- **LegalEase AI — 3rd Prize ($250)**
  24-Hour AI/ML Hackathon | Team Lead
- **Life Admin AI dApp — 3rd Prize (₹10,000)**
  36-Hour Solana / Web3 Hackathon | Solo Winner

EDUCATION

BITS Pilani, Rajasthan, India
B.Sc. in Computer Science
Feb 2025 – Present