

ADIL SUKUMAR

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EDUCATION

Vellore Institute of Technology

Aug'25–May'30

Integrated M.Tech. Artificial Intelligence & Bioinformatics | CGPA: 9.10/10

EXPERIENCE

British Airways

Oct'26–Present

Data Science Job Simulation

- Undertake a self-paced virtual data science simulation focused on **customer insights and predictive analytics** for airline business decisions.

Pawsitive Diagnostics

Feb'26–Present

Founder and CEO

- Lead **software, hardware and machine learning** development for a **wearable animal-health system** integrating **motion, acoustic, environmental and surface-temperature sensing**.
- Build **edge-to-cloud workflows** for filtering, baselines, **activity recognition** and anomaly alerts.

ElectraWireless

May'26–Aug'26

Lead Intern, IoT & Embedded Systems

- Co-created **ELLY's offline-first React/TypeScript** dashboard with **real-time energy telemetry** and local device control; automated **Capacitor** mobile builds using **GitHub Actions**.

PROJECTS

CardSavvy

2026

- Built and deployed a **333-card** comparison prototype across **10 markets** with **explainable ranking**, filters and a browser-local wallet.
- Normalized **currency scoring**, corrected duplicate and invalid scores, and added **six regression tests** covering every card across all ranking categories.

NIFTY Paper Trading and Risk Analytics

2026

- Built a **restart-safe paper-trading system** with **market-data ingestion**, durable state, an **event journal** and a read-only monitoring dashboard.
- Compared regime and multi-expert models using **walk-forward evaluation**; retained **deterministic volatility and risk rules** for simulated entries.
- Implemented **defined-risk simulated positions**, **fee estimates**, **stale-data checks** and **drawdown controls** without broker order placement.

Finly Personal Finance

2026

- Built personal and shared **finance workspaces** with **monthly budgets**, categorized transactions, IOUs and **spending analytics**.
- Implemented **browser-local persistence** and **PDF reports** containing category charts, running balances and transaction breakdowns.

Spendture

2025–Present

- Develop a **personal-finance product** focused on budget tracking and everyday spending decisions; translate user needs into **product requirements** and interface workflows.

SplitSmart Expense Splitter

2026

- Built a lightweight group expense-splitting application with shared group links, expense recording and **real-time balance updates**.

TECHNICAL SKILLS

Languages: Python, C, C++, C#, Java, JavaScript, TypeScript, SQL

Web and Data: React, TanStack, Node.js, SQL, PostgreSQL, Zod, REST APIs

Analytics and ML: Pandas, NumPy, scikit-learn, XGBoost, LightGBM, data validation

Fintech: Backtesting, paper trading, risk controls, expense analytics, explainable ranking

Cloud and Tools: AWS S3/EC2, Vercel, Git, GitHub Actions, event logging

LEADERSHIP AND ACHIEVEMENTS

VIT Student Council — Member Secretary – Technical | Sep'26–Present

The FinTech Club, VIT — Core Member, Technical Market Analyst Team | Dec'25–Present

- CyberShield Hackathon 2025, VIT — **First Place**.
- SKITECH National Innothon 3.0, Indore — **First Runner-Up**, national level.
- SASI National Hackathon 2026, Andhra Pradesh — **Top 6**, national level.

Certification: SEBI NISM Investor Awareness.