

ADHAVAN SE V

SOFTWARE DEVELOPMENT ENGINEER

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Software Developer with strong **backend** and **ETL pipeline** expertise, passionate about solving real-world problems. **2xHackathon Winner** who is actively sharpening **DSA skills** and experienced in building scalable, automated systems using **cloud** and **data engineering tools**.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering
Bannari Amman Institute of Technology

Sep 2023 - April 2027
8.7 CGPA

PROFESSIONAL EXPERIENCE

Software Engineer – Product & Platform Development
Sai Sakthi Enterprises

Jan 2025 - Present, Hybrid

- Built and deployed a SaaS platform that provides brands on **Zepto, Blinkit, and Instamart** with **pincode-level insights** into **stock availability, product visibility, store-level ranking, and listing health** across **1000+ stores** in India.
- Designed end-to-end **automated data pipelines** using Selenium and GCP (Cloud Run, BigQuery, Scheduler, Buckets), reducing manual effort by **100+ hours/month** and ensuring daily updates in **under 2 hours**.
- Currently used by **3 brands**, including leading D2C companies **Mokobara** and **Lifelong**, to drive data-backed product and inventory decisions.
- Led the development of a **Shopify Partner App** (Remix + BigQuery) that enables merchants to apply advanced custom sorting to their product listings, improving catalog visibility and boosting conversions. Achieved **~30% increase in product engagement** for early users; listed on the **official Shopify App Store**.

Full Stack Developer Intern
Crayon'd

Sep 2024 - Mar 2025, Remote

- Developed and delivered **3+ client-facing products** by building responsive UIs (React) and robust APIs (Node.js/Express), contributing to a **20% reduction in feature delivery time** through close collaboration with cross-functional teams.
- Followed **industry-grade coding standards** and Git workflows, optimized API integrations, and implemented modular components—enhancing **code maintainability** and streamlining **deployment cycles**.

PROJECTS

AI-Powered Scheme Recommendation Platform | Smart India Hackathon - 2024 Finalist

- Designed a platform with **Next.js** to personalize **India Post's outreach** across **600K+ villages**.
- Built a **LightGBM** model and **RAG chatbot** to suggest top 3 schemes/user and answer village-level queries, **boosting efficiency by 30–40%**.
- Automated demographic mapping and scheme trends via **ETL and Selenium**, reducing manual effort by **80%**.

Growth Guardian | HackIt' 25 Winner

- Led Growth Guardian build in **24 hours**; owned **backend and half of frontend**, integrating 5+ financial tools.
- Built Scam detector with **95% scam detection precision** and **90% chatbot query resolution**.
- Launched **6+ family-based learning modules** with interactive gamified elements.
- Build ML model for **stock simulator**, boosting **confidence scores by 40%**.

TECHNICAL SKILLS

Programming Languages : Python, JavaScript, C++, C

Frameworks & Libraries : React.js, Node.js, Express.js, Pandas, NumPy, Selenium

Databases : MongoDB, SQL (MySQL/PostgreSQL)

Cloud & DevOps : Google Cloud Platform (GCP), BigQuery, Cloud Run, Artifact Registry, Storage Buckets, Docker

Developer Tools : Git, GitHub, REST APIs, ETL Pipelines, Automation, Web Scraping