

ABARNA SIVAKUMAR

AI & Full-Stack Developer

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PROFESSIONAL SUMMARY

B.Tech Artificial Intelligence & Data Science undergraduate (2026) with experience building **AI-integrated, scalable full-stack applications** using production-oriented architectures. Developed real-world systems across **cybersecurity, fintech, and e-commerce** domains, combining backend engineering, cloud deployment, and generative AI to solve practical problems.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript
Frameworks & Tools: React.js, Next.js, FastAPI, REST APIs, Firebase
Databases & Cloud: PostgreSQL, MySQL, Firestore, AWS (EC2, S3, IAM)
AI / ML: Generative AI (Gemini), OCR, Machine Learning Basics (Classification, Regression)
Developer Tools: Git, GitHub
Core Concepts: Data Structures & Algorithms, DBMS, Object-Oriented Programming (OOP)

PROJECTS

Quick+ PhishGuard — AI-Powered Phishing Detection Platform Live · Code

FastAPI · PostgreSQL · Redis · Flutter · ML Pipeline

- Built a two-stage detection pipeline (on-device + cloud) with an in-app **safe browser** that intercepts risky URLs before pages load.
- Developed a secure backend with **JWT authentication**, rate limiting, and scalable async processing using PostgreSQL and Redis.

LetBuyy — Reels-Commerce Marketplace Play Store · Code

Flutter · Firebase · TypeScript (Cloud Functions) · Razorpay

- Shipped a **published-on-Play-Store** multi-seller reels-commerce marketplace with in-video product tagging, cart, and Razorpay checkout.
- Engineered the money layer — tiered commissions, idempotent wallet crediting, scheduled seller payouts, and automated PAN/Aadhaar KYC.

ElevIQ — AI-Based Personal Finance Assistant Live · Code

Gemini API · OCR · Firebase · React & Flutter

- Developed an AI-powered system using **Gemini and OCR** for automated expense extraction and categorisation.
- Built a cross-platform (web + mobile) app with real-time Firebase synchronization and AI-driven financial insights.

EXPERIENCE

AWS Cloud Intern — iStudio Nov 2025 – Dec 2025

- Provisioned and configured EC2, S3, IAM, and Lambda for cloud deployment and automation workflows.

Java Developer Intern — Emglitz Technologies Feb 2024 – Mar 2024

- Developed backend service modules in Java using OOP principles and structured design approaches.

EDUCATION

B.Tech — Artificial Intelligence & Data Science 2022 – 2026

Dhanalakshmi Srinivasan College of Engineering · CGPA: 8.5 / 10

CERTIFICATIONS

- AWS Cloud Training — iStudio
- Cloud Computing — NPTEL
- MongoDB Basics — MongoDB Skills
- Introduction to Generative AI — IBM SkillsBuild
- Cyber Security Fundamentals — IBM SkillsBuild

LANGUAGES

Tamil (Native) · English (Proficient) · Hindi (Basic)