

Shrey Sircar

[LeetCode](#)

sircarshrey@gmail.com

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Education

Jaypee Institute of Information Technology, NOIDA

B.Tech in Computer Science Engineering (CGPA: 8.2 / 10)

Expected May 2027

NOIDA, India

Apeejay School, NOIDA

Senior Secondary (Class XII): PCMB – 92.2% , High School (Class X): 96.6%

NOIDA, India

Experience

DotBotics Pvt Ltd

Apr 2025 – Jun 2025

SDE Intern

Hyderabad, India

- Developed **Nest**, a production-grade **cross-platform eCommerce app** using **Flutter, Dart, and RESTful APIs**, as part of a **4-member engineering team** following **Clean Architecture (Presentation → Business → Data)**.
- Integrated 5+ payment gateways** (Razorpay, Stripe, PayPal, PayMob, MyFatoorah) in coordination with backend engineers via native SDKs with fallback handling.
- Incorporated key features** including JWT authentication, real-time cart synchronization, and product ratings to improve UX and engagement.
- Improved application performance by **~25%** through async API optimization, widget tuning, and strategic caching.
- Applied SOLID and OOP principles** to design reusable models and services, increasing maintainability by **~30%**.
- Tested API reliability** using Postman and performed **black-box testing** across **15+** real-device user flows.
- Streamlined Git/GitHub collaboration** using feature branches, CI-based pull requests, and semantic commits, reducing merge conflicts by **40%**.
- Developed a **modular API service architecture** to centralize and standardize networking logic, reducing redundant code calls by **35%**.
- Enhanced **tab navigation performance** by **~30%** using IndexedStack with scoped **GetX** controllers for state preservation.

Projects

Vaaya – Admin-Driven Ecommerce Platform | *Next.js, Node.js, Express, PostgreSQL, Prisma*

Live Demo

- Architected and deployed a production-ready **E-commerce platform** with independent frontend, backend, and database services supporting end-to-end workflows.
- Implemented **role-based access control (RBAC)** for a secure admin dashboard backed by **stateless REST APIs**, enabling centralized management of products, inventory, users, and orders.
- Modeled and optimized a normalized **PostgreSQL** schema using **Prisma ORM**, achieving a **~30%** reduction in data redundancy while enabling **future multi-vendor scalability**.

PageX – Personal Cloud Storage with AI Optimization | *Next.js, Node.js, PostgreSQL, AI Embeddings*

Source Code

- Architected a production-grade **SaaS-style file management system** with hierarchical folders, drag-and-drop workflows, and trash-based soft deletion.
- Designed secure, scalable **REST APIs** with JWT authentication and efficient relational data models in PostgreSQL.
- Architected **AI-ready** infrastructure leveraging **vector embeddings** to enable **semantic file search, content summaries, and storage usage tracking**.

Aegis – Predictive Crime Safety Platform | *Flutter, FastAPI, PostgreSQL, ML*

Source Code

- Collaborated on a cross-platform Flutter app visualizing ML-based crime risk predictions across **77 city communities** in Chicago.
- Integrated REST APIs for time-based risk queries, improving response latency by **12%** within a team setting.
- Built an interactive SVG city map with optimized state management and API caching.

Technical Skills

Languages: C/C++, JavaScript, Dart (Flutter)

Technologies: React.js, Next.js (App Router), Node.js, Express.js, Firebase, RESTful APIs, JWT Authentication, PostgreSQL, SQL, Prisma ORM, Firestore

Concepts: Object-Oriented Programming, Data Structures, Algorithms, Clean Architecture, System Design, Operating Systems, SDLC

Tools: Git/GitHub, Postman, Prisma Studio, Figma

Environment: Windows, Linux (Ubuntu)