Arpan Nath

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PROFILE

Computer Science Technology student at Collège de Rosemont, seeking a fullstack development internship for Winter 2027. Hands-on experience with Java/Spring Boot, Python/FastAPI, Kotlin/Android and TypeScript/Next.js across personal and academic team projects.

EDUCATION

Collège de Rosemont — Computer Science Technology (DEC) *Winter 2024 – Winter 2027*
Montreal, QC

PROJECTS

SHL GM Dashboard — Personal Project *Ongoing*
Next.js 16, TypeScript, PostgreSQL, Prisma 6, better-auth, Tailwind CSS

- Built solo a full-stack dashboard for a sim-hockey league's general managers: rosters, contracts, four-season cap projections, trades with counteroffers and messaging
- Synced players, contracts, budgets and draft picks for 24 teams from a league API and shared Google Sheets into PostgreSQL
- Made concurrent writes safe: serializable transactions, preconditions in the WHERE clause, and a 409 on conflict instead of a stale retry

La Ruche — Academic Team Project (4 members) *Ongoing*
Python, FastAPI, Pydantic, Docker, GitLab CI · Kotlin, Android

- Implemented the forum API's users endpoints and the end-to-end tests for groups and posts, with every response validated against the OpenAPI contract
- Fixed a sign-up race condition and visibility rules for pending and deleted content across nested routes; wrote the sprint refactoring plan
- Built four screens of the Android client (post, new post, profile, joined groups) with unit-tested MVP presenters

CRM Manara — Academic Team Project (3 members)
Spring Boot 4, Angular, JPA, MySQL

- Owned the backend domain (activities, sessions, registrations, users and roles), including capacity checks and a waiting list with automatic promotion
- Worked on authentication and parent-centre messaging, built a chatbot on Ollama and Llama 3.2, and wrote service and JPA repository tests on H2

FrigoChef — Academic Team Project (3 members)
Kotlin, Android, SQLite, MVP

- Top contributor (62 of 104 commits): owned the SQLite layer, the results and recipe-detail screens, and the score that ranks recipes against the ingredients on hand

WORK EXPERIENCE

Michael Kors — Stock Associate *2021 – Present*
Laval, QC

- Inventory and restocking in a retail environment, with a focus on organization, attention to detail and teamwork

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, TypeScript/JavaScript, C#, SQL

Frameworks: Spring Boot, FastAPI, Next.js, React, Angular, Android SDK, ASP.NET Core

Databases: PostgreSQL, MySQL/MariaDB, SQLite, SQL Server, H2

Tools: Git, GitHub, GitLab CI, Docker, Prisma, EF Core, pytest, Tailwind CSS, Vercel

LANGUAGES

French and English (bilingual)