LÊ ĐỨC KHÁNH TOÀN

Software Engineer Intern

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SUMMARY

Final-year Information Technology student at UIT-VNUHCM)seeking a Software Engineer Intern position. Hands-on experience developing RESTful APIs with NestJS/TypeScript and building data pipelines in Python and Java. Proven ability to handle concurrency issues, optimize database operations, and write maintainable, tested code. Willing contribute to backend services and high-performance engineering systems.

EDUCATION

University of Information Technology – Vietnam National University Ho Chi Minh City (UIT-VNUHCM) 2022 - Expected 2027

Major: Information Technology

Language: English (Basic – Reading technical documentation)

PROJECTS

Mini search engine Mar 2026 - May 2026

Team Project - Developer & Tester

Tech Stack: Java SE, Swing, Apache Lucene
GitHub: https://github.com/epicycloid55/javaproject.git
Description:

- Developed a desktop search tool using Apache Lucene for fast full-text local indexing.
- Wrote tests for edge cases (corrupt files, invalid formats) to eliminate runtime crashes.
- Benchmarked response times, achieving sub-second search speeds across large text files.

Movie booking Website Nov 2025 - Jan 2026

Team Project - BE developer & Tester

Tech Stack: NestJS, TypeScript, MongoDB/Mongoose, RESTful API, Cloudinary
GitHub: https://github.com/Croslee/Final-IE207.Q11.CNVN_Booking-ticket-website.git
Description:

- Built ticket booking APIs and authored integration test scenarios for real-time seat reservation workflows.
- Identified, debugged, and resolved double-booking issues under concurrent requests using atomic seat state validation.
- Performed database validation in database to ensure data consistency across booking states (Pending, Reserved, Expired).

Recommender System using GNN Dec 2024 - May 2025

Research Project

Tech Stack: Python, PyTorch, PyTorch Geometric, Pandas, Scikit-learn
GitHub: https://github.com/Croslee/IS353_Rec_system_movie.git
Description:

- Built a Graph Neural Network (GNN) model to predict user–movie recommendations.
- Cleaned and verified large datasets with Pandas, removing null and duplicate relationships.
- Monitored model metrics (Accuracy, Recall) across epochs to ensure consistent evaluations

CERTIFICATIONS

Google AI Essentials Specialization – Google	2026
Google Data Analytics Professional Certificate – Google	2026
Google IT Automation with Python Professional – Google	2026

SKILLS

Testing Skills	Functional Testing, Test Case Design, Test Scenario Design, Bug Identification & Reporting, Integration Testing, Database Validation, Basic API Testing
AI & Data Science:	PyTorch, PyTorch Geometric, Scikit-learn, Pandas, GNN, Machine Learning, Data Preprocessing & Cleaning
Technical Skills	TypeScript, JavaScript, Python, Java, PHP, HTML/CSS, NestJS, Node.js, ReactJS , Bootstrap, Tailwind CSS
Database	MongoDB, MySQL, PostgreSQL
Version Control & Tools	Figma, Git, Jira, Docker, Postman
AI-Assisted Workflow	Antigravity, Claude, Codex, NotebookLM