

Do Quoc Duy

 20yud |  duyquocd19 |  duyquocdo19@gmail.com |  +84978131575

SUMMARY

I'm a recent Computer Science graduate looking for an internship or entry-level role in Java development or AI. I'm excited to apply what I've learned, gain real-world experience, and grow as a software engineer.

PROJECTS

Vecanhac.com(1 member)

Spring 2025 - current

[Link to Github](#)

- Developed a full-stack web app for managing and booking concert tickets, with real-time seat.
- Backend built with Java Spring Boot using DDD (Domain-Driven Design) architecture for scalable, maintainable domain logic.
- Frontend built with Next.js (React) featuring responsive design, dynamic routing.
- Technologies: Java, Spring Boot, JPA, Lombok, Next.js, TailwindCSS, MySQL, TypeScript.

MovieAI (1 members)

Winter 2024

[Link to Github](#)

- Built a movie streaming web application with user-friendly interface and personalized recommendation engine.
- Implemented collaborative filtering-based recommender system for suggesting relevant movies.
- Developed core features including: admin dashboard, user authentication, favorites list, rating. commenting system.
- Integrated advanced filtering: genre, release year, trending, and top-rated categories.
- Technologies: Java Spring Boot MVC (backend), Python (ML), MySQL (database), HTML/CSS (frontend).

Age Gender Prediction (4 members)

Summer 2024

[Link to Github](#)

- Built a CNN-based system to predict age and gender from facial images with high accuracy.
- Collected, preprocessed, and labeled data; trained model with 30 epochs on Google Colab.
- Deployed the model to a cloud-based server using Docker for scalable access and testing.
- Technologies: Python (core), OpenCV (image processing), TensorFlow/Keras (modeling), Docker (deployment).

FastGuard (3 members)

Summer 2023

[Link to Github](#)

- Built a web-based system for real-time bus tracking, route browsing, and ticket booking.
- Implemented admin panel for managing schedules, routes, and user registrations using full CRUD.
- Applied MVC architecture to ensure modularity and maintainability across the platform.
- Technologies: HTML5/CSS (frontend), Bootstrap 5.0 (UI), PHP/C/ASP.NET MVC (backend), MySQL (database).

Legal Chatbot System (3 members)

Spring 2025

[Link to Github](#)

- Developed a legal chatbot system for Vietnamese law document retrieval using semantic search.
- Built a pipeline with Bi-Encoder for vector retrieval and Cross-Encoder for reranking top results.
- Applied FAISS for fast vector similarity search and trained models with custom segmented datasets.
- Technologies: Python (core), HuggingFace Transformers (models), FAISS (search), Underthesea (segmentation).

EDUCATION

HCM, Thu Duc **University of Information Technology (UIT)** **8/2021 - 6/2025**

- Bachelor of Science in Computer Science.
- TOEIC - 835/290

LANGUAGES AND TECHNOLOGIES

Programming Languages Java, C#.NET, Python, SQL.

Databases MySQL, PostgreSQL

Tools and Platforms Docker, GitHub

ADDITIONAL EXPERIENCE AND AWARDS

M.E.R.C 2024 Organized by **Ho Chi Minh City University of Technology University**

CoPlay 2023 Organized by **University of Information Technology**

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