

# PHAN VO DUY TRINH

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## SOFTWARE ENGINEER

Github: <https://github.com/duytrinhphan>

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## SUMMARY

Final-year Information Technology student with a strong foundation in Java, Object-Oriented Programming (OOP), database, complemented by hands-on experience in developing software solutions. Proficient in building web applications and driven by a robust programming mindset, I am eager to master Salesforce CRM and Apex programming to deliver innovative web and mobile solutions. Diligent, quick to learn, and committed to full-time work, I aim to grow into a versatile Software Engineer, contributing high-quality code and collaborative excellence to dynamic software projects.

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C#.

**Frameworks/Platforms:**

- **Java:** Spring Boot, Spring Framework, PrimeFaces, JUnit.
- **.NET:** ASP.NET MVC.
- **Front-End:** Html, Css, Bootstrap, Vue.js.

**Database Management Systems:** MySQL, MS SQL Server.

**Tool:** Docker, Git, SVN.

**Others:**

- Knowledgeable in **OOP, Data Structures & Algorithms.**
- Experience in using **Git, SVN** for version control.
- Basic knowledge of building **RESTful APIs.**

## PROFESSIONAL EXPERIENCE AND PROJECTS

**IVS Joint Stock Company - Software Engineer Intern**

06/2024 - 12/2024

**Project:** Convert RPG to Java

- **Role:** Developer, Tester
- **Project description:** Migrated legacy RPG programs to a modern Java web application, replaced the "green screen" interface with modern UI components to improve maintainability and user experience.
- **Project Technologies:**
  - Language: **Java**, SQL
  - Framework: PrimeFaces
  - Database: **PostgreSQL**, JDBC
  - Server: WildFly
- **Responsibilities:**
  - Developed Java-based solutions to replace the legacy RPG logic.
  - Coded according to customer requirements and guidelines.
  - Designed and implemented modern web-based UI components using PrimeFaces.
  - Conducted testing tasks, including creating Unit Test Cases (UTC), Unit Test Evidence (UTE) and checklists with **Japanese.**

**Team Project: Application of Deep Learning in Predicting Loan Repayment Ability**

11/2024 - 12/2024

- **Team size:** 4
- **Project description:** Developed a machine learning model using deep learning to predict loan repayment ability based on financial and demographic data, aiding lenders in risk assessment. The application classifies applicants into risk categories using historical data.
- **Project Technologies:**
  - Language: **Python**, SQL
  - Libraries/Framework: TensorFlow, Keras, NumPy, Scikit-learn
  - Database: MySQL
  - Deployment: **AWS** Environment

- **Responsibilities:**
  - Led a team of 4 members, delegated tasks, managed progress, represented the team in presenting the project, and engaged in discussions with judges.
  - Took primary responsibility for designing the model architecture, developing, and deploying the model.
  - Oversaw testing and optimization to ensure the model's stability and high accuracy.
  - Collaborated with frontend team members to integrate the model into the web interface.
- **Result:** Qualified for the finals and was **awarded the Encouragement Prize** in the HDBANK HACKATHON 2024 competition.

#### Personal Project: Helmet Store

05/2024 - 06/2024

- **Description:** Developed a web-based Helmet Store application to enable users to browse and purchase helmet products. The application also includes an admin side for managing product listings, customer orders, and inventory, providing a comprehensive solution for both customers and store administrators.
- **Project Technologies:**
  - Language: **Java**, SQL
  - Framework: **SpringBoot**, Hibernate
  - Database: MySQL
  - Frontend: Vue.js
- **Responsibilities:**
  - Designed and developed the complete web application (both frontend and backend).
  - Implemented user authentication, product catalog, shopping cart, and order processing features.
  - Created the admin interface for managing products, users, and orders.
  - Managed database operations with MySQL.
  - Conducted testing and debugging to ensure smooth deployment.
- **Result:** **Scored 8.5/10 points** for Java programming subject at school.
- **GitHub Link:** [https://github.com/duytrinhphan/Helmet\\_Store.git](https://github.com/duytrinhphan/Helmet_Store.git)

## EDUCATION

#### Hutech University

10/2021 - Expected 06/2025

- Studying **Information Technology**.
- GPA: **3.2/4.0**.
- Have completed all bachelor's degree requirements and expect to graduate in June 2025.

## LANGUAGES

**English:** Upper-intermediate

**Vietnamese:** Native

## ACHIEVEMENT AND ACTIVITIES

#### IT GOT TALENT 2024 – A competition for IT students across Ho Chi Minh City

12/2024

- Qualified for the semifinals with the project "Application of Deep Learning in Supporting Early Stroke Risk Prediction from Electronic Health Records".

#### HDBANK HACKATHON 2024

12/2024

- Awarded the Encouragement Prize for the project "Application of Deep Learning in Predicting Loan Repayment Ability".

#### SCIENTIFIC RESEARCH 2023

12/2023

- Participated in the competition with the project "Credit Card Fraud Detection System".

#### HDBANK HACKATHON 2023

12/2023

- Awarded Third Prize for the project "Credit Card Fraud Detection System".

#### Recognized as an Outstanding Student in 2024

11/2024