

Name: Phạm Đức Đạt
ID: ITITIU20184

Deploy link: <https://ducdatit2002.github.io/wad-lab1/>

1. index.html

Welcome to Pham Duc Dat Website

- [Home](#)
- [About Me](#)
- [Portfolio](#)
- [Services](#)
- [Contact](#)
- [Blog](#)

About Me

I am a fourth-year student majoring in Computer Science at the International University (IU) - VNU, Vietnam National University - Ho Chi Minh City. I have knowledge in Frontend Developer, Backend Developer, and I am currently researching AI. I am seeking opportunities to work in a challenging environment that provides room for personal growth.



My Work

Here you can find some of my most recent projects about Fullstack Developer. I love what I do and I hope you do too!

Thank you for visiting my website. If you want to get in touch, please don't hesitate to contact me at ducdatit2002@gmail.com.

2. about.html

About Pham Duc Dat

- [Home](#)
- [About Me](#)
- [Portfolio](#)
- [Services](#)
- [Contact](#)
- [Blog](#)

My Journey

From a young enthusiast in technology to a Computer Science major at International University (IU) - VNU, my journey has been driven by a relentless pursuit of knowledge and skill in the vast field of computer science. Over the years, I have gained a comprehensive understanding of both frontend and backend development, and recently, I've ventured into the fascinating world of Artificial Intelligence.

Skills and Achievements

My technical toolkit includes a variety of languages and frameworks such as HTML, CSS, JavaScript for frontend development, and Node.js and Python for backend processes. I've contributed to several projects that span these technologies, focusing on creating seamless user experiences and robust backend solutions.

- Lead Developer on Project AVOwithMe - A web application that for people listening podcast
- Contributor to Open Source Project Crack Model Detection
- Research Assistant in AIoT Lab VN, focusing on AI and IoT

Hobbies and Interests

Outside of my professional and academic pursuits, I find solace and inspiration in a range of activities. Whether it's exploring the latest advancements in AI, dabbling in graphic design, or hiking the breathtaking landscapes of Vietnam, my hobbies reflect a balance of intellectual curiosity and appreciation for the natural world.

Interested in collaborating or learning more about my work? Reach out at ducdatit2002@gmail.com.

3. portfolio.html

My Portfolio

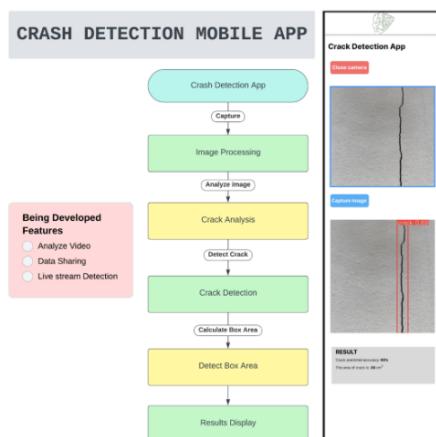
- [Home](#)
- [About Me](#)
- [Portfolio](#)
- [Services](#)
- [Contact](#)
- [Blog](#)

Project Showcase

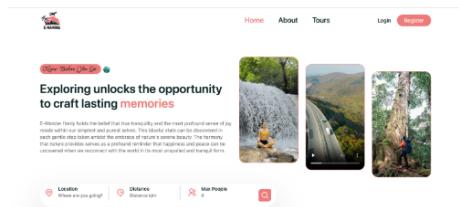
Here are some of the projects I've worked on that I'm most proud of:



[360 Virtual website](#)



[Crack Detection System](#)



[Ewander - Travel Booking System](#)

Learn More About My Work

If you're interested in more details about any of my projects or have questions, use the form below to get in touch!

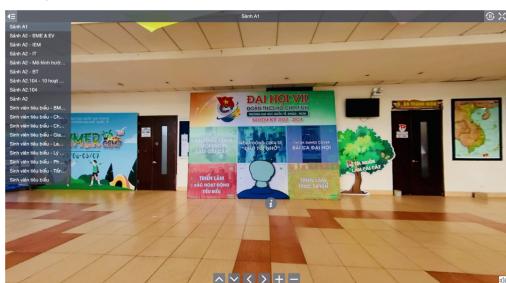
[Contact](#)

Thank you for exploring my portfolio. Let's connect at ducdatit2002@gmail.com.

4. project1.html

360 Virtual Website Project

- Home
- About Me
- Portfolio
- Services
- Contact
- Blog



360 Virtual Website

This project was developed to offer users an immersive experience of virtual tours online. It allows users to explore locations in 360 degrees, providing a unique and interactive way of viewing content that traditional images or videos cannot offer.

Technologies Used

- HTML5 / CSS3 for structure and styling
- JavaScript and Three.js for interactive 360-degree views
- Node.js for the backend
- A-Frame for VR content

Project Objectives

The main objective was to create an accessible platform where users can experience virtual tours of various locations from the comfort of their home. This project aimed to bridge the gap between reality and virtual reality through web technology.

My Role

As the lead developer, my responsibilities included planning the project, designing the UI/UX, implementing the front-end with interactive 360-degree views, and integrating the backend services for a seamless user experience.

Challenges Overcome

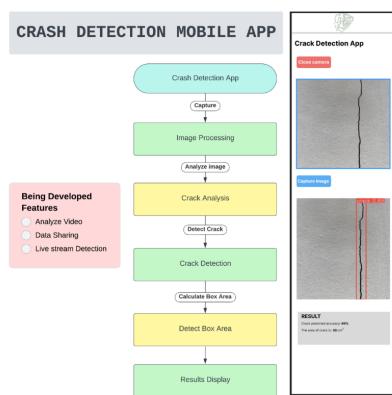
One of the main challenges was optimizing the 360-degree images for web use without losing too much detail. Additionally, integrating various technologies to work seamlessly together required thorough research and testing.

Interested in more projects like this? Contact me at ducdatit2002@gmail.com.

5. project2.html

Crack Detection System Project

- Home
- About Me
- Portfolio
- Services
- Contact
- Blog



Crack Detection System

This project aimed to develop an automated system for detecting cracks in infrastructure using advanced image processing and machine learning techniques. The goal was to offer a more efficient, accurate, and cost-effective method than traditional manual inspections.

Technologies Used

- Python for image processing and automation
- OpenCV for image processing tasks
- TensorFlow and Keras for developing and training machine learning models
- Docker for containerizing the application

Project Objectives

The primary objective was to create a reliable tool that could be used by engineers and maintenance teams to quickly identify potential structural issues, thereby reducing the risk of unforeseen failures and improving safety standards.

My Role

I was responsible for designing the machine learning model, implementing the image processing pipeline, and integrating these components into a user-friendly application. My focus was on optimizing the model for high accuracy and efficiency.

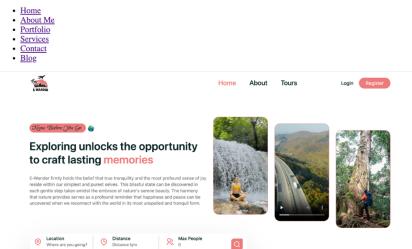
Challenges Overcome

One of the major challenges was ensuring the system could accurately detect cracks under various conditions, such as different lighting and angles. Extensive testing and training were conducted to enhance the model's robustness. Another hurdle was optimizing the system for real-time analysis without compromising performance.

Interested in more projects like this? Contact me at ducdatit2002@gmail.com.

6. project3.html

Ewander - Travel Booking System



The screenshot shows the homepage of the Ewander travel booking system. At the top, there's a navigation bar with links for Home, About, Tours, Login, and Register. Below the navigation is a banner with the text "Exploring unlocks the opportunity to craft lasting memories". Underneath the banner are three images: a person sitting by a waterfall, a scenic view of a valley, and a person climbing a tree. At the bottom of the page, there are filters for Location, Distance, and Max People, along with a search icon.

About Ewander

Ewander is an innovative travel booking platform designed to revolutionize the way users plan and book their trips. By integrating real-time data, AI-based recommendations, and user-friendly interfaces, Ewander offers a comprehensive and personalized travel planning experience.

Technologies Used

- React and Redux for the frontend to ensure a responsive, state-managed user interface
- Node.js and Express for a robust backend server
- Mongoose for storing user data and travel information
- Python for data analysis and AI algorithms to tailor recommendations
- RESTful APIs for integrating various third-party services like hotel bookings, flight reservations, and local attractions

Project Objectives

The primary goal of Ewander was to simplify the travel booking process by offering a one-stop solution for all travel needs, including transportation, accommodation, and activities, tailored to each user's preferences and past behavior.

My Role

As a full-stack developer on the Ewander project, I was involved in every stage of development, from initial design and planning through implementation and testing. My key contributions included developing the recommendation engine, integrating third-party APIs, and ensuring the platform's security and scalability.

Challenges Overcome

One of the significant challenges was creating a dynamic recommendation engine capable of processing vast amounts of data to deliver personalized travel suggestions. Additionally, integrating various third-party services smoothly while maintaining a seamless user experience required innovative solutions and rigorous testing. Interested in learning more about this project or my other work? Feel free to reach out at ducdatit2002@gmail.com.

7. Service.html

Services I Offer

- Home
- About Me
- Portfolio
- Services
- Contact
- Blog

Web Development

Offering end-to-end web development services from concept to deployment, specializing in responsive, user-friendly designs and robust backend solutions.

Software Engineering

Custom software development services that cover the full software development lifecycle, including planning, implementation, testing, and maintenance.

AI Solutions

Developing intelligent AI-based solutions to automate processes, analyze data, and enhance decision-making, from machine learning models to chatbots.

Consultancy

Providing expert advice on digital transformation, IT strategy, and optimizing business processes through technology.

For more information about my services or to discuss your project, please contact me at ducdatit2002@gmail.com.

8. Contact.html

Contact Me

- Home
- About Me
- Portfolio
- Services
- Blog
- Contact

Get in Touch

If you have any questions, please don't hesitate to send me a message. I'll get back to you as soon as possible!

Name:

Email:

Subject:

Message:

Other Ways to Contact Me

Email: ducdatit2002@gmail.com

Follow me on social media for more updates:

- [Github](#)
- [LinkedIn](#)
- [Facebook](#)

Thank you for visiting my website!

9. Blog.html

Pham Duc Dat's Blog

- [Home](#)
- [About Me](#)
- [Portfolio](#)
- [Services](#)
- [Contact](#)
- [Blog](#)

Latest Posts

The Future of Artificial Intelligence

By Pham Duc Dat
April 1, 2024

Introduction

Artificial Intelligence (AI) has been a field of continuous innovation and its future promises even more breakthroughs. From enhancing everyday devices to solving complex global challenges, AI is at the forefront of technological advancement.

Main Content

AI technologies have evolved significantly, leading to advancements in machine learning, natural language processing, and robotics. These developments are

The Evolution of Web Development: Past, Present, and Future

By Pham Duc Dat

10. Post1.html

The Future of Artificial Intelligence

By Pham Duc Dat
April 1, 2024

Introduction

Artificial Intelligence (AI) has been a field of continuous innovation and its future promises even more breakthroughs. From enhancing everyday devices to solving complex global challenges, AI is at the forefront of technological advancement.

Main Content

AI technologies have evolved significantly, leading to advancements in machine learning, natural language processing, and robotics. These developments are not only pushing the boundaries of what machines can do but are also enhancing their ability to learn and adapt.

The Future of AI

One of the most exciting prospects is AI's role in tackling global issues such as climate change, healthcare, and education. By processing vast amounts of data, AI can help identify patterns and solutions that would be impossible for humans to discern on their own.

Challenges and Ethical Considerations

Despite its potential, AI's rapid development raises important ethical questions. Issues of privacy, security, and the ethical use of AI are at the heart of ongoing debates. As we navigate these challenges, the importance of responsible AI development becomes increasingly clear.

AI's journey is far from over. Its future is filled with potential, poised to redefine our world in ways we are just beginning to imagine.

11. Post2.html

The Evolution of Web Development: Past, Present, and Future

By Pham Duc Dat
March 15, 2024

Introduction

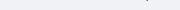
Web development has dramatically evolved from simple HTML pages to complex, dynamic web applications. This journey reflects the rapid advancements in technology and changing user expectations.

The Early Days of Web Development

The inception of web development can be traced back to the early 1990s, when the first websites were mere documents interconnected by hyperlinks. The advent of CSS and JavaScript in the mid-90s introduced styling and interactivity, marking the first significant leap in web development capabilities.

The Rise of Modern Web Applications

As the internet grew, so did the complexity of web development. The introduction of AJAX in the early 2000s allowed for the creation of dynamic, single-page applications. This era also saw the rise of frameworks and libraries like jQuery, Angular, React, and Vue, significantly impacting developer productivity and user experience.



Current Trends and Future Directions

Today, web development is at the forefront of innovation, with trends like Progressive Web Apps (PWAs), serverless architectures, and API-first design shaping the future. As we look ahead, emerging technologies like AI, blockchain, and the Internet of Things (IoT) are poised to further transform web development in ways we can only begin to imagine.

The journey of web development is a testament to human ingenuity and curiosity. As we venture into the future, the possibilities are endless.