

Divya Tariwala

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Personal Statement

Junior Software Engineer with hands-on experience building full-stack web applications using Python/Django, PHP/Laravel, JavaScript, and SQL. Strong foundation in software engineering principles, database design, and secure web development. Experienced in delivering real-world projects with responsive UI, backend logic, and data persistence. Currently completing a BEng (Hons) in Software Engineering at the University of Westminster.

Technical Skills

Languages:

Python, JavaScript, PHP, SQL, HTML5, CSS3

Frameworks & Libraries:

Django, Laravel, Bootstrap, jQuery, AJAX

Databases:

MySQL, SQLite, Django ORM

Tools & Platforms:

Git, GitHub, VS Code, Linux, REST APIs

Concepts:

MVC architecture, authentication & authorization, relational database design, responsive design, basic cybersecurity principles

Employment History

January 2022 - February 2023 Creative Design & Multimedia Institute

Web Developer

- Developed and maintained multiple production-ready websites using PHP, JavaScript, HTML, CSS, and Bootstrap, supporting both static and dynamic content.
- Built server-side functionality for user interactions such as form handling, data validation, and database integration using PHP and MySQL.
- Implemented responsive UI components ensuring cross-device compatibility (desktop, tablet, mobile).
- Improved page load performance by optimizing CSS, JavaScript, and database queries.
- Collaborated with designers and instructors to translate requirements into functional web features.
- Debugged and resolved front-end and back-end issues, improving reliability and user experience.
- Followed basic security best practices including input sanitization and secure form handling.

Projects

- **Voting Theme:** Developed a responsive voting-themed website using PHP, HTML, CSS, and Bootstrap. Focused on creating interactive user interfaces and seamless voting functionality.
- **Portfolio Theme:** Built a dynamic personal portfolio website with PHP, AJAX, JavaScript, jQuery, HTML, CSS, and Bootstrap. Integrated real-time features and animations to enhance user engagement.
- **E-commerce Website:** Designed and implemented a feature-rich e-commerce platform using PHP, Laravel, AJAX, JavaScript, jQuery, HTML, CSS, and Bootstrap. Focused on secure transactions, user-friendly interfaces, and scalable architecture.
- **Yoga Trainer Theme:** Created a clean and responsive yoga trainer website using PHP, HTML, CSS, and Bootstrap, with a focus on user-friendly navigation and aesthetic design.
- **Music Theme:** Developed an interactive music-themed website leveraging PHP, Laravel, AJAX, JavaScript, jQuery, HTML, CSS, and Bootstrap. Enhanced user experience with dynamic content and multimedia integration.
- **Health-Check System (Created for “Sky”):** Developed a responsive health monitoring web application using Django, Python, HTML, CSS, Bootstrap, AJAX, and JavaScript. Implemented dynamic form handling and real-time feedback for user-submitted health data. Focused on creating a clean interface, accurate data processing, and smooth user interactions.
- **TheraTrack – ongoing:** Developing an AI-powered posture and exercise monitoring system with a React frontend and Django/Python backend. The system uses pose-estimation (Mediapipe / OpenPose-style) on webcam video to analyse repetitions and posture in real time, generates anonymised PDF performance reports, and produces personalised exercise recommendations. Built for research/rehabilitation contexts with privacy-first controls (UK GDPR), an 18+ participant restriction, and secure authentication/session handling.

Education History



Ongoing study - Software Engineering BEng Honours - Course

Institution : University of Westminster

- Concurrent Programming
- Operational Research and Optimisation
- Cyber Security
- Object-Oriented Programming
- Database Systems
- Machine learning and Data Mining
- Algorithms: Theory, Design, and Implementation
- Software Engineering Principles and Practice
- Software Development [Python, Java]
- Web design & Development [HTML, CSS, JavaScript]
- Mathematics for Computing
- Computer System Fundamentals
- Formal Methods
- Computer Science Final Project

Certifications

Web Development Certification – Creative Design & Multimedia Institute

- HTML, CSS, JavaScript, AJAX, jQuery, PHP, Laravel; responsive and dynamic web applications

AI Bots & Automation – JobEscape

- Chatbots, automation workflows, and applied AI tooling