

Hira Malik

🌐 **Website:** <https://my-portfolio-psi-six-60.vercel.app/>

🌐 **Website:** <https://github.com/hramlk99k>

📍 **Home:** Stockholm (Sweden)

ABOUT ME

Versatile **Full-Stack Developer** and **IEEE Published Researcher** with a Master's degree in Computer Science. I specialize in the **MERN stack** and **PHP/CodeIgniter**, with a strong focus on building scalable, user-centric applications. My background bridges the gap between technical engineering and UX/UI design (Figma), backed by a deep understanding of **Agile/Scrum** methodologies. With a proven track record of international collaboration and a passion for sustainable tech solutions, I am eager to contribute to innovative development teams in Stockholm.

WORK EXPERIENCE

🏫 *Government Girls High School*

Educator in primary education

[12/08/2018 – 20/08/2018]

- **Instructed** fundamental computer concepts to students, focusing on hardware basics, software navigation, and digital literacy.
- **Developed** and led creative art and technology workshops, bridging the gap between technical concepts and creative expression.
- **Facilitated** a collaborative classroom community, providing a stable and inclusive learning environment that increased student engagement.
- **Supervised** formal examinations and classroom activities, ensuring academic integrity and a productive atmosphere for all learners.
- **Observed and adapted** teaching methods to align with individual student perspectives, improving the clarity of complex technical topics.

🏫 *Vision Consulting Pakistan*

Web application developer

[09/06/2019 – 01/08/2019]

- **Developed dynamic web components** using PHP and the CodeIgniter framework, ensuring clean code and alignment with project specifications.
- **Designed and maintained relational databases** using MySQL and phpMyAdmin, focusing on efficient data structure and retrieval.
- **Front-End Development:** Built responsive user interfaces utilizing HTML5 and CSS3 to deliver high-quality web experiences.
- **Client Correspondence:** Collaborated directly with clients to gather requirements, manage expectations, and translate business needs into technical designs.
- **Training & Proficiency:** Completed an intensive Microsoft Office training module to streamline documentation and reporting workflows.
- **Professional Development:** Managed weekly technical assignments and project milestones under supervisor evaluation, consistently meeting deadlines and increasing productivity.

EDUCATION AND TRAINING

Secondary School Certificate

Federal Board of Intermediate and Secondary Education [02/2012 – 03/2014]

Address: Sector H-8/4, Islamabad (Pakistan) | Website: <https://www.fbise.edu.pk/>

Higher Secondary School Certificate

Federal Board of Intermediate and Secondary Education [03/2014 – 04/2016]

Address: Sector H-8/4, Islamabad (Pakistan) | Website: <https://www.fbise.edu.pk/>

Bachelors in Computer Science

Fatima Jinnah Women University [08/2016 – 09/2020]

Address: The Mall, Kachehri Chowk, Rawalpindi (Pakistan)

Master's in computer science CS

Universitets-och hogskoleradet (UHR) [07/2021 – 08/2022]

City: Uppsala | Country: Sweden | Website: <https://uu.se/>

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2

SPOKEN INTERACTION B2

Panjabi; Punjabi

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2

SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Word / Microsoft Excel / Microsoft Powerpoint / Google Docs / Trello Board / Team-work oriented / Good listener and communicator / Web Programming: HTML, CSS, Javascript (front-end), Java (back-end) / Flexibility / c,c++,c# Languages / HTML CSS PHP / Microsoft Office Specialist certification: Microsoft Office Word / Visual Studio Visual Basic / Visual Studio/Visual Studio Code / Oral presentation / Figma (Intermediate) / Google drive, DropBox, FB, Instagram, LinkedIn, Zoom, Skype, Asana, Trello, Slack, HelpScout / PHP Codeigniter / LaTeX (basic) / github / git / Tailwind css / MERN stack / MERN / API / REST API / HTML / CSS / Javascript / Render / React.js / Vercel / MongoDB / Mongo atlas / Node.js / mongo compass / node / node js / express / react js / typescript / JSX / Express.js / MySQL / Git

PROJECTS

[03/2020 – 09/2020]

Bachelors degree project

- **Developed** a comprehensive job search application using **PHP (CodeIgniter)** and **MySQL**, enabling users to search for and apply to job listings seamlessly.
- **Architected** a relational database to store user profiles, job postings, and application statuses, ensuring data integrity and fast retrieval.
- **Implemented** the **MVC architecture** to maintain a clean separation of concerns, resulting in a scalable and modular codebase.
- **Designed** a user-friendly frontend interface using **HTML** and **CSS**, focusing on simplifying the job application workflow for end-users.

Link: <https://drive.google.com/file/d/1hL0BgfxBb8q-nnW9rJOifbsO9T1-HoOc/view?usp=sharing>

Ethics in Computing | Researcher

- **Conducted a qualitative study** on the ethical responsibilities of computer scientists, focusing on data privacy, algorithmic bias, and professional accountability.
- **Designed and deployed** digital surveys via Google Forms to collect and analyze data from a diverse group of CS students.
- **Synthesized research findings** to identify key areas where ethical frameworks are needed in the software development lifecycle.
- **Analyzed user perspectives** to advocate for responsible tech practices, demonstrating a deep understanding of the societal impact of computing.

Link: https://drive.google.com/file/d/1StP9cthc2_rWJNoV6Olt3gGj9vY1jz1r/view?usp=sharing

[08/07/2022]

Academic research paper in iSTEM-Ed conference

- **Co-authored a research paper** investigating student and faculty perceptions of plagiarism within academic environments.
- **Conducted qualitative data collection** through semi-structured interviews via Zoom, managing scheduling and data privacy for all participants.
- **Analyzed complex qualitative datasets** to identify recurring themes and behavioral patterns regarding academic integrity.
- **Presented findings** to an international audience of scholars and professionals in Thailand, demonstrating strong technical communication and public speaking skills.
- **Collaborated in a remote research team** to synthesize findings into a peer-reviewed paper accepted for conference publication.

Link: <https://ieeexplore.ieee.org/document/9920878>

An Online Supermarket application design

- **Engineered a high-fidelity interactive prototype** for an Android application using **Figma**, focusing on a seamless User-Centered Design (UCD).
- **Mapped core user journeys**, including product categorization, wishlist management ("Favorites"), and a dynamic shopping basket system.

- **Architected a 4-step checkout workflow**, optimizing the path from "item discovery" to "order placement" to reduce user friction.
- **Applied HCI (Human-Computer Interaction) principles** to ensure the interface was intuitive, accessible, and followed Android's Material Design guidelines.

Link: https://drive.google.com/file/d/1rfqsH2WMGwTW1z4_5WI9v6dimJKTZ9d-/view?usp=sharing

Dashboard design

- **Engineered an interactive Sales Dashboard** designed for employer oversight, enabling real-time tracking of employee performance and global client engagement.
- **Designed a data-driven UI** that visualizes key metrics for salespersons operating across multiple international territories, focusing on clarity and ease of navigation.
- **Architected a "Managerial Overview" workflow**, allowing employers to drill down into specific client interactions and regional progress reports with a single click.
- **Prioritized UX Simplicity**, ensuring complex sales data was translated into intuitive charts and progress indicators to facilitate fast, informed decision-making.
- **Integrated global variables**, such as country-specific client data and cross-border sales cycles, into a unified and cohesive user interface.

Link: https://drive.google.com/file/d/1kbBDH613e_TEj684EluKK5A9JH8l15Z9/view?usp=sharing

EV Smart-Charging & Grid Optimization for Sweden | UX Researcher & Designer

- **Conceptualized a behavioral "nudging" solution** to mitigate electricity grid stress by incentivizing EV owners to shift charging habits away from peak hours.
- **Designed a multi-channel interface** using **Figma**, including a mobile application UI and public billboard displays to provide real-time grid awareness.
- **Applied Behavioral Economics principles** to create intuitive "nudges" that encourage sustainable energy consumption without compromising user convenience.
- **Presented findings and prototypes** to members of "**Parkering och parkeringsavgifter**", successfully communicating technical solutions to a board of public infrastructure stakeholders.
- **Evaluated user-centered strategies** for "Peak Shaving," demonstrating a deep understanding of the intersection between Green Tech and User Experience.

Link: <https://drive.google.com/file/d/1arYvDldxp-oSCwVN1BWChOn4WdVEmv0M/view?usp=sharing>

Agile Software Development Project | Scrum Team Member

- **Executed a full Scrum lifecycle** in a high-intensity team environment, adhering to 2-week sprints, daily stand-ups, and sprint planning sessions.
- **Collaborated within a defined Scrum structure**, working closely with a Product Owner and Scrum Master to translate business requirements into technical **User Stories**.
- **Managed Product & Sprint Backlogs** using **Trello**, ensuring task prioritization and transparent progress tracking for all stakeholders.
- **Monitored Team Velocity** via **Burndown Charts**, analyzing performance metrics to optimize delivery timelines and resource allocation.
- **Engaged in Continuous Improvement** through weekly **Scrum Retrospectives**, identifying workflow bottlenecks and implementing process refinements.

- **Facilitated "Component Trading":** Managed the "purchase and sale" of software modules with other teams, gaining experience in **modular architecture**, API-style interactions, and inter-team negotiations.
- **Technical Stack:** GitHub (Version Control), Trello (Project Management), Slack (Communication).

Link: https://drive.google.com/file/d/1_41zFurTYhI4_v3FWcc2RduB1OYEg7Kz/view?usp=sharing

[01/09/2025 – Current]

Full-Stack Development | MERN Stack Projects

- **Engineered a suite of MERN stack applications**, focusing on seamless integration between React frontends and Node.js/Express backends.
- **Architected and documented RESTful APIs** to handle complex data operations and user authentication, ensuring secure communication between the client and server.
- **Optimized deployment workflows** by configuring **Vercel** for high-performance frontend delivery and **Render** for reliable server-side execution and database connectivity.
- **Managed environment variables and server configurations** to ensure secure, scalable, and production-ready environments.
- **Tech Stack:** React, Node.js, Express, MongoDB, Vercel, Render, JWT.

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