

# Hira Malik

**Date of birth:** 27/07/1999

**Place of birth:** Pakistan

**Nationality:** Pakistani

**Gender:** Female

## CONTACT

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## WORK EXPERIENCE

### Government Girls High School

#### Educator in primary education

**12/08/2018 – 20/08/2018**

I developed my interest in teaching from my childhood. I voluntarily worked in the school. Since I am a Computer science student, my work revolves around teaching computer concepts to students. Through observing, and working directly with students, I discovered how classroom community can facilitate learning, the importance of COMPUTER in young students, and provide much-needed stability. Some tasks were teaching basic computer concepts, supervision of students during exams and to conduct art activities. It was a fun experience and helped me understand students' perspectives more closely.

### Vision Consulting Pakistan

#### Web application developer

**09/06/2019 – 01/08/2019**

During my training in web designing, I have designed dummy company projects as well and also learn about client correspondence and client requirements. During my period of internship, I was also given the training module handouts of Microsoft Office for learning purposes. Weekly assignments were also given by the supervisor and the same was evaluated by them. Tools I worked on during my internship were HTML, CSS, CodeIgniter, MySql, phpMyAdmin, Microsoft Visual Studio, and Notepad. Time management was an essential part of my job. I had to fulfill all my duties within a specific time. This internship taught me professionalism. You are a different person as a student and have a totally different personality when in a profession. I had to become more responsible and confident than before.

## EDUCATION AND TRAINING

**02/2012 – 03/2014** Islamabad, Pakistan

**Secondary School Certificate** Federal Board of Intermediate and Secondary Education

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

**03/2014 – 04/2016** Islamabad, Pakistan

**Higher Secondary School Certificate** Federal Board of Intermediate and Secondary Education

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

**08/2016 – 09/2020** Rawalpindi, Pakistan

**Bachelors in Computer Science** Fatima Jinnah Women University

**Address** The Mall, Kachehri Chowk, Rawalpindi, Pakistan

**07/2021 – 08/2022** Uppsala, Sweden

**Master's in computer science CS** Universitets-och hogskoleradet (UHR)

**Website** <https://uu.se/>

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Urdu

**Other language(s):**

**English**

**Listening** B2

**Spoken production** B2

**Reading** B2

**Spoken interaction** B2

**Writing** B2

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**Punjabi; Punjabi**

**Listening** B2

**Spoken production** B2

**Reading** B2

**Spoken interaction** B2

**Writing** B2

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*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 | REACT | Tailwind css | MERN stack | MERN | API | REST API | HTML | CSS | Javascript | Render | Vercel | MongoDB | Mongo atlas | mongo compass | node | node js | express | react js

## PROJECTS

**03/2020 – 09/2020**

### Bachelors degree project

iJobFinder - A job search web portal. The goal was to design and program an application that provides an easy job search and application. I designed a web portal using CodeIgniter as a main tool to code along with the SQL database.

### Academic research project during masters

A small research was done with a group of students regarding ethical responsibilities of computer scientists. Research was done via questionnaires (google forms).

### Academic research paper in iSTEM-Ed conference

A research paper was written with my friends and a co-author about perceptions of plagiarism. Qualitative data was collected and analyzed via interviews over zoom. The paper got accepted for the conference and is presented in Thailand.

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

### An Online Supermarket application design

Figma was used to build a fundamental design of an android online supermarket application. The user can pick items from categories, mark them as favorite, adding items to baskets and place an order.

### Dashboard design

I designed a dashboard of an employee that can be viewed by the employer. Employee is a salesperson who has to deal with different clients situated in different countries. Employer has opened the dashboard and now wants to see the progress of the employee. The dashboard is interactive as it is easy to use and contains all the information an employer may want to see.

### A design solution for high electricity consumption by EVs in Sweden

A solution was proposed to mitigate problems regarding electricity consumption by Electric Vehicle EV owners during peak hours or when electricity grid is stressed. How can we nudge the owners to not charge when the

grid is high and giving them awareness. A billboard was designed and an application interface was proposed and presented Infront of "Parkering och parkeringsavgifter" members.

## Scrum retrospectives and trello board

During the academic journey of Masters, I worked in a group where we worked as a team on a project. We have been assigned a product owner and a scrum master. The purpose and main focus was to understand how agile works the concepts of sprints, scrum works in proper cycles, how to write user stories, creating backlogs and how to purchase and sale your components to other teams or groups. We used GitHub, trello board, burn down charts and scrum retros.

**01/09/2025 – CURRENT**

## Projects deployed on Vercel

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.

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 and scalable production environments.