Harmain Khan
harmainkh01@gmail.com | 0336-1656604

EDUCATION

Kinnaird College For Women   **Semester 8**
B.S. in Computer Science
Relevant Courses: Programming Fundamentals, Database System, Software Engineering, Website Development, Artificial Intelligence, Human Computer Interaction, Object-Oriented Programming, Data Structures and Algorithms, Mobile Application Development.

TECHNICAL SKILLS

Programming Languages: C++, JavaScript, SQL
Web Technologies: HTML, CSS, Bootstrap, AJAX
AI / ML: TensorFlow/Keras, scikit-learn
Tools & Platforms: Git, Google Colab, Jupyter Notebook, MATLAB, Matplotlib, Seaborn

PROJECTS

AiYaar | HTML, CSS, JS, PHP, SQL, APIs, AI   **June 2025**
● Collaborated with a team of 2 to build an AI-powered trash sorter with 85%+ accuracy using image input and provided recycling directions . Created a dashboard to display calendar events and pollution levels by location using API.
● Developed a full-stack sustainability web app with login/logout, product saving, keyword-based search, and a most popular businesses section. Built a CRUD-enabled admin panel to manually add or scrape products by business name using a custom web scraper. Enabled dynamic updates with AJAX, supporting a growing directory of 100+ eco-friendly products.

Heart Disease Prediction | Python, pandas, scikit-learn, TensorFlow/Keras   **June 2025**
● Implemented and compared ANN, SVM, and Naive Bayes models on the Kaggle Heart Failure Prediction dataset, performing data preprocessing, feature scaling, and model evaluation using accuracy, confusion matrix, and classification reports.
● Developed a frontend form for real-time patient data input, seamlessly integrating the machine learning models to provide immediate heart disease risk predictions.

Trash to Cash – Reward-Based Recycling App |Figma Prototype | UI/UX Design | Social Impact
● **Designed a Figma prototype for "Trash to Cash"**, a reward-based recycling app that enables users in Pakistan to scan waste, schedule pickups, and earn redeemable points for recycling efforts.
● **Conducted user research, wireframing, and usability testing**, focusing on an intuitive, gamified interface to increase recycling awareness and promote sustainable behavior in urban and semi-urban areas.

LEADERSHIP & EXTRACURRICULARS

Campus Ambassador – Dr. Coders Academy   **July 2024**

Served as a student ambassador for the Summer Web Training Program across multiple institutions; promoted coding literacy, facilitated enrollments, and offered peer guidance through a unique referral campaign.

AI for Industry Workshop – Women in Tech Fest, LUMS   **Feb 2025**
Certificate of Recognition | LWIC (LUMS Women in Computing)

- Gained hands-on experience in building applied machine learning pipelines using PyTorch, TensorFlow, and Keras.
- Participated in collaborative sessions focused on applying AI solutions for industry use cases.

Project Lab: Project Management Workshop – Women in Tech Fest, LUMS   **Feb 2025**
Certificate of Recognition | LWIC (LUMS Women in Computing)

- Acquired practical knowledge of agile frameworks, product prototyping, and collaborative brainstorming techniques.
- Completed team-based exercises to simulate real-world project management scenarios.

COURSE & CERTIFICATIONS

- **Full Stack Web Development (MERN Stack) |Dr. Coders Academy**   **Jul– Oct2024**
  Completed a 3-month online bootcamp covering HTML, CSS, Bootstrap, Core JavaScript, React.js, Node.js, Express.js, MongoDB, and deployment.
- **Graphic Designing Internship |Insider (Pvt.) Ltd.**   **Sep- Oct2024**
- Successfully completed a certified internship in Graphic Designing, demonstrating creativity, design proficiency, and commitment to assigned projects. Received a Certificate of Excellence for outstanding performance.
- **Build with AI: Create Custom Chatbots with n8n**   **Oct 2025**
- Completed a hands-on course focused on building custom AI chatbots using n8n workflows, covering chatbot development, AI integration, and automation techniques.
- **Introduction to Artificial Intelligence |Google (Coursera)**   **Dec 2025**
  Successfully completed a foundational course covering core AI concepts, real-world applications of artificial intelligence, and ethical considerations in AI systems.