



# Huwaina Hamid

## Software Engineer

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Nationality: Pakistan

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Languages: English, Urdu, Punjabi, Turkish

### Personal Summary

Highly motivated Software Engineer with a passion for innovation and problem-solving. I always possess a strong commitment to continuous learning and development. Proficient in various programming languages and experienced in software development projects. Strong analytical and critical thinking skills, with a keen eye for detail. Seeking opportunities to apply my knowledge and contribute to cutting-edge advancements in the tech industry.

### Education

#### **BACHELORS IN SOFTWARE ENGINEERING | ISTANBUL BILGI UNIVERSITY (2020-2024) | ISTANBUL**

Relevant Course Modules: Object oriented programming, Large Scale Programming, Data Structures and Algorithms, Database Systems, Network programming, DevOps, Data Science and Analysis, Natural Language Processing, Machine Learning, Deep Learning, Image Processing, Computer Systems Security, Signal Processing Algorithms, Digital System Designs, Computer Architecture, Business Intelligence and applied Analytics, Software Engineering Concepts, Computer Networks and networks programming, Technology and Innovation, Engineering Economics Analysis, Introduction to Retailing

#### **O/A LEVELS | BEACONHOUSE SCHOOL SYSTEM (2016-2019) | LAHORE**

### Skills

- Technical: programming (python, java, C++, C#, MATLAB), front-end development (HTML, CSS, JavaScript, React.js, Next.js), Database management (MySQL), R, DevOps, Microsoft Office (word, excel, PowerPoint)
- Languages: Urdu (Native), English (full professional proficiency), Turkish (Elementary proficiency)
- Other interests: Digital Art (Canva), Painting, Reading

### Experience

- **EARTECH | DEVOPS INTERN | 2024 | ISTANBUL**

- **EARTECH | CYBER SECURITY INTERN | 2024 | ISTANBUL**

- **UNIPOLY GAMES | GAME DEVELOPMENT INTERN | 2023 | ISTANBUL**

Developed games using C++ and unreal engine.

- **AL-SHARQ | VOLUNTEER WORK | 2023 | ISTANBUL**

My team and I arranged a conference that included well known personalities globally and they were interviewed on issues such as youth disillusionment, disengagement, and the need for systematic change, the conference explored the profound impact of civilizational shifts, and the role of technological trends, big data, and esports in shaping the future.

- **HUDA AMERICAN SCHOOL | PROGRAMMING TEACHING ASISSTANT | 2021 | ISTANBUL**

I taught children the basics of programming.

- **SOS CHILDRENS VILLAGE | VOLUNTEER WORK | 2018 | SARGODHA**

I organized different activities for the orphan children to keep them busy throughout the day like normal children would be in their lives.

- **WWF | VOLUNTEER WORK | 2017 | SARGODHA**

## **Projects**

### **I. Blockchain powered Voting System**

A blockchain-powered voting system leverages blockchain technology to create a secure, transparent, and tamper-proof method for casting and counting votes, ensuring election integrity and voter confidence. By utilizing decentralized ledgers, it eliminates the risk of fraud and provides an immutable record of all votes.

### **II. Vocabulary Application**

Created a dynamic vocabulary app with interactive quizzes, personalized word lists. Utilized gamification elements to motivate users and enhance learning efficiency. Offers comprehensive word exploration with example sentences, synonyms, and pronunciation guides for holistic language acquisition.

### **III. Data science project**

Employed Python for data analysis on twitter platform, extracting insights from a large dataset through statistical techniques. Communicated findings effectively with interactive visualizations and reports, enabling data-driven decision-making. Presented project outcomes to my batch, sharing valuable insights.

### **IV. Movie Ratings**

I successfully executed an NLP project where I extracted movie ratings from a diverse set of comments using Python. Leveraging natural language processing techniques, I adeptly analyzed the textual data to derive accurate movie ratings, showcasing the power of data-driven insights in the world of cinema critique.

### **V. Fraud Detection Analysis**

Led a deep learning project focused on fraud detection in financial transactions. Curated and preprocessed extensive datasets, employing convolutional or recurrent neural networks to discern fraudulent patterns. Trained models via supervised learning, evaluated using precision, recall, and F1-score metrics. Optimized parameters, experimented with architectures, and applied anomaly detection techniques to bolster accuracy in identifying fraudulent activities.