

Aiza Naseer

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EDUCATION

Punjab University College of Information Technology - PUCIT

Bachelor of Science in Software Engineering

Allama Iqbal Campus, Lahore

Dec. 2020 – June 2024

Govt. Graduate College for Women

ICS

Vehari, Punjab

Aug. 2017 – July 2019

FINAL YEAR PROJECT

Online Mentor Platform - MentorHub | *Django (REST Framework), React, SQLite*

Sep 2023 – June 2024

- Developed a mentorship website with secure registration/login, profile management and advanced mentor search functionality
- Integrated payment processing systems and real-time chat for seamless mentorship and transactions
- Enabled mentor insights and resource sharing, with features for filtering advice and accessing essential entrepreneurial tools
- Implemented Google Calendar API for efficient session scheduling; used React for frontend development, Django with REST framework for backend services and SQLite for data management

PROJECTS

Gray Image Colorization | *TensorFlow, OpenCV, Flask, HTML/CSS*

- Implemented an autoencoder-based image colorization model using TensorFlow and Keras
- Created a web interface with HTML/CSS and Flask for easy interaction and image processing
- Used OpenCV for image manipulation, NumPy for numerical operations, and Kaggle datasets for training
- Employed Google Collaborator and Jupyter Notebook for model development and experimentation

Real Estate Website | *ASP.NET MVC, MySQL, SignalR*

- Built a user-friendly real estate platform using ASP.NET MVC for property transactions
- Utilized MySQL with Code First and Database First approaches for flexible data management
- Integrated SignalR for real-time updates on property listings and transactions
- Demonstrated skills in frontend design (HTML/CSS) and backend development

Electronic Voting System | *Python, Flask, MySQL, HTML/CSS, JavaScript*

- Developed a secure online voting platform with HTML/CSS and JavaScript for the frontend
- Implemented backend with Python and Flask, integrating MySQL for robust database management
- Ensured security with a secret key mechanism, email notifications and real-time result tracking
- Showcased expertise in responsive design, session management and encryption

ArgoUML Codebase Analysis | *Code Quality*

- Utilized tools like DeepSource, CodeScene, Codacy, Codeac and CodeFactor to evaluate code health, identify issues and generate detailed quality reports include in-depth analysis of feature information, bug reports and project release details

Blood Donation System | *System Design and Development*

- Implemented features like user registration, blood request management, donor tracking, secure test results and multilingual support
- Ensured 24/7 performance and security with privacy settings and admin controls

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Oracle, MySql, SQLite), MongoDB, JavaScript, HTML/CSS

Frameworks: React, Django, Flask, ASP.NET

Developer Tools: Git/GitHub, Jira, LucidChart, Figma, VS Code, Visual Studio, PyCharm

Libraries: NumPy, TensorFlow, Keras, Axios, Matplotlib, ggplot2