

SARA RASOOL

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Portfolio link: <https://sarxxt.github.io/portfolio/>

Ghulam Ishaq Khan Institute of Engineering Sciences & Technology

2020-Present

Bachelors in Computer Sciences (BS-CS). (CGPA: 3.32.)

Divisional Model College

2007-2020

O/A Levels – Pre-Engineering.(2A's 1A*)

PROFESSIONAL EXPERIENCE

Data Science/ML Intern – DataToBiz

June 2022 - Aug 2022

- Tuning and building machine learning models using libraries such as Scikit-learn, TensorFlow, & PyTorch.
- Collaborated with multiple teams as a leader of quantitative analysis and developed solutions that utilize the highest standards of analytical rigor and data integrity.
- Analyzed and solved business problems at their root.

Opensource Contributor – Oppia Foundation

March 2022 - June 2022

- Created illustrations and interactive lessons for students on Basic Science and Mathematics.
- Conducted audits of existing lessons, for areas that might confuse learners
- Implemented Oppia Lessons on the website.

Remote UI/UX Design Intern – Quizzy

June 2021 - Aug 2021

- Gained valuable experience in user-centered design, prototyping and usability testing.
 - Designed wireframes and high-fidelity mockups using Adobe Illustrator.
 - Delivered a training session on UI/ UX design principles for 25 team members.
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ACADEMIC PROJECTS.

Image classification with Convolutional Neural Network

Group Project

- Developed an AI-powered CNN model achieving 88% accuracy for classifying 60,000 CIFAR-10 images
- Utilized the Keras library to preprocess the data, including pixel value normalization and one-hot encoding of target labels.
- Made a CNN architecture with Conv2D, MaxPooling2D, BatchNormalization, Dropout, and Dense layers, incorporating data augmentation for improved generalization

Reference/Other Projects: (GitHub: <https://github.com/sarxxt>)

Donate Us

Group Project

- Programmed a website for a welfare society that allows the user to register, donate and see society's work.
 - Built front-end using HTML, CSS and JavaScript.
 - Site keeps the data of the donors and the employees by using SQL database.
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ADDITIONAL INFORMATION

Leadership Experience and Achievements

Head Graphic Design (Giki Science Society) – Designed 50+ graphic assets, for the society's social media page with over 22K followers.

Head Finance (Project Topi) – Managed budgeting, forecasting, and financial planning processes.

Technical Competence

Python, SQL, Tableau, Pandas, NumPy, Scikit-learn, TensorFlow, Jupyter Notebook, JQuery, Git, HTML/CSS/JavaScript, Excel, Power BI, Figma, Canva, Microsoft Office, Selenium, Figma, Adobe Illustrator.

Programming Languages

Python, C++, SQL, Scala, JavaScript, PHP.

Course Work Operating System, Cyber Security, Data Structures and Algorithms, Intro to Database.

Soft Skills: Communication, Problem Solving, Strategic Thinking, Adaptability.