Fatima Sohail Shaukat

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PROFILE

A final-year computer engineering student with a primary focus on Machine Learning and Artificial Intelligence. Proficient in functional and object-oriented programming, with practical experience in web development using ReactJS, NodeJS, SQL, and MongoDB. Skilled in building controlled components, managing state, and utilizing Redux, Redux Toolkit, and API development for dynamic web applications. Demonstrated expertise in ML, AI, Image Processing and CV, acquired through relevant coursework in ML and Software Engineering. Eager to apply AI and ML principles to solve real-world challenges and contribute to technology projects.

EXPERIENCE

Machine Learning Intern, *KICS , Lahore, PK (Remote)*   **July 2023 – Sep 2023**

Explored deep learning architectures: AlexNet, ResNet, GoogLeNet, and YOLONet, learned data annotation using Roboflow for efficient labeling. Developed skills in object detection and image segmentation. Acquired a solid understanding of core machine learning concepts. Studied the basics of deep learning and implemented CNN algorithms.

EDUCATION

University of Engineering & Technology, Lahore   **Oct 2020 – May 2024 (contd.)**
Bachelor of Science in Computer Engineering   **CGPA: 3.4/4.0 (till 6th Semester)**

SKILLS

Languages	C/C++, JAVA, Python, JavaScript, JSX, x86 Assembly, HTML, CSS, PHP, SQL
Frameworks & Libraries	React JS, Unity, Django, PyTorch Bootstrap, Tailwind CSS
Others	Figma, Adobe Illustrator, Canva, Microsoft Excel, Word, Proteus, AutoCAD, Git, Github, Arduino, Digital Logic Design, Embedded System Design, Computer Architecture

VOLUNTEER WORK & PROJECTS

Care Foundation	**2022:** Designed curriculum, teaching plans, visual aids, and conducted teacher training to enhance English language accessibility for government school students
Literary Society, UET	**2022 – Present:** Leading a design team, mentoring students, and designing graphics for society's events
HR Manager	**2022 – Present:** Managed the recruitment process including interviewing, and candidate selection, developed and implemented HR policies and procedures
Image Segmentation	Intra-cranial Brain Hemorrhage Detection Using Image Segmentation & Watershed
OpenCV and Python	Real Time Face Recognition Using OpenCV and Python
Image Classification	Developed and trained a DL model, Residual Neural Network (ResNet) for image classification on the CIFAR-10 dataset, achieving an accuracy of 82% on test data
	https://github.com/Fatim-Sohail/Neural-Networks