MUHAMMAD ADEEN

Computer Systems Engineer

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GitHub | Linkedin | HackerRank

EDUCATION

Usman Institute Of Technology(NED University)
Karachi, Pakistan
Electrical Engineering(Computer Systems) B.E
Oct 2020 - Present
CGPA: 3.265

Aga Khan Higher Secondary School
Karachi, Pakistan
Pre-Engineering FSC
Aug 2017 - May 2019

The M.I School
Karachi, Pakistan
Medical Matriculation
Apr 2007 - May 2017

EXPERIENCE

Micro Electronic Research Lab(MERL) | Research Internship   Karachi, Pakistan | Aug 2022 - Oct 2022

Throughout my research internship, I gained valuable experience in implementation of RISC-V 32-bit processor using Logisim and SystemVerilog.

Suenos International Marketing | Customer Service Representative Karachi, Pakistan | Sept 2019 - Dec 2019

I engaged with our clients to collect their feedback regarding the services offered by our organization.

SKILLS

Programming Languages:	Python, C++, MATLAB, SQL, HTML, CSS, Hardware Language
Libraries/Frameworks:	OpenCV, Django, Tkinter, Pandas, Numpy, Matplotlib, BeautifulSoup
Tools / Platforms:	PyCharm, Vs Code, MATLAB, AUTOCAD, Microsoft Office
Databases:	MySQL, Oracle, SQL

PROJECTS / OPEN-SOURCE

My Portfolio Website(Django) | Link   *Django, Python, HTML, CSS*

I developed my portfolio website by using Django for backend and HTML,CSS for the frontend.

The Web-Store(Django) | Link   *Django, Python, HTML, Tailwind CSS*

I developed an online store website using Django for backend and HTML, Taiwind CSS for frontend.

Ceramic Tiles Quality Inspection System | Link   *OpenCV, Tkinter, Python*

This is my Final Year Project which involved creating a real-time defect detection system using OpenCV and Python, included with hardware implementation for tile separation.

RISC-V 32-Bit Processor | Link   *Logisim, Venus*

In this project, I designed RISC-V 32 bit processor using Logisim and tested it's implementation on Venus.

Data Science Projects | Link   *Pandas, Numpy, Matplotib, DASH, Scipy, Folium, Plotly*

In this project various data science techniques are applied to extract useful information from raw data.

CERTIFICATIONS

- Certificate Of Appreciation - Micro Electronic Research Lab (MERL).
- Mentorship Program - Usman Institute Of Technology.
- Data Analysis with Python - **Coursera, IBM**