Contact

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Education

2020 - 2024
Bachelors of Science in Computer Science
Ghulam Ishaq Khan Institute
CGPA: 3.59/4

2018 - 2020
GCE A Level
Roots Millennium Schools, Khyber Campus
Grades: 2 A*, 1 A

2017 - 2018
Grade 12 (Exchange Year)
Smithville High School, MO, USA

Expertise

Programming Languages:

C/C++| Python | SQL | HTML/CSS | PHP | JavaScript | Scheme

Tools:

Jupyter Notebook | Git | Proteus | Verilog | Arduino | Oracle | Creo Parametric

Skills:

Data Structures | Object Oriented Programming | Machine Learning | Operating Systems | Electronics | Digital Logic Design

Soft Skills:

Graphic Designing | Video Editing | Technical Writing | Problem Solving | Leadership

Awards & Honors

- Dean's Honor Roll (3/5 semesters)
- USEFP High Achievers Award
- KL-YES Exchange Year Completion
- U.S Department of State 100 hours Community Service Award
- Civic Education Week Qualifier
- USEFP Science Competition Runner Up

Arbaz Khan

Inquisitive and self-motivated Computer Science student with experience in Web-Development, Electronics, Robotics, and AI. Seeking a role where I can learn from experts and team members while drawing on project experience.

Work Experience

Stanley Foods (Pvt) Limited (Internship)

Jul 2022 - Sept 2020

- Software Development Intern—Developed a Web-based Employee Management System and collected existing employee data.
- Gathered functional and non-functional requirements from the employees and administration, and built a portal for both with respective privileges and features.
- Collaborated with senior developers to brainstorm and implement ideas.

LES - GIKI (Web Team Leader)

Jul 2022 -Present

- Maintained the society's website—Revamped the home page and acquired new hosting services leading to a 25% decrease in cost—Led a team of 4 members.
- Implemented a GUI-based software using C++ to grade applicants' attributes in interviews during recruitment drives.

AIESEC in GIKI (Director Marketing and Talent Management)

Mar 2021 - Feb 2022

- Assisted in the launch of Project SEED. Recruited and supervised campus ambassadors.
- Created content for society's social media pages and maintained KPI trackers.
- Participated in AIESEC National Conference.

Smithville High School Robotics Team (Member)

Jan 2018- Apr 2018

- Participated in FIRST Robotics Competition and FIRST Tech Challenge.
- Designed, fabricated, and programmed the robot for FIRST Power Up Challenge.

Academic Projects

Satellite Image Processing

- Applied PCA using SVD on Landsat images. Performed error analysis on the use of PCA.
- Completed in Python using CV2, Numpy, Matplotlib, and SciKit-Learn.

Employee Management System

- Created an EMS using HTML/CSS, Bootstrap, MySQL, PHP, and JavaScript, allowing employees to mark their attendance (local/outstation), generate expenses, and submit leave applications.

Convolutional Neural Network for Multi Image Classification

- Created a CNN architecture using TensorFlow/Keras. (Trained on CIFAR-10 dataset)
- Visualized training and validation curves, and confusion matrix. Achieved 81% accuracy.

Titanic Survivors ML Model

- Predicted which passengers on the titanic survived with an accuracy of 92%.

House Price Prediction Model

- Made a Machine Learning Model for house price prediction. Accuracy 94%.

Interactive Multi-Touch Display

- Built a Multi-touch Display with Front Diffused Illumination multi-touch technique, with ambient infrared light and a DIY IR webcam.
- Utilized Community Core Vision (CCV) for finger tracking.