SYEDA AYESHA SIDDIQA

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I intend to be a part of an organization where I can make best use of my technical skills for the growth of the company while consistently learning and developing my knowledge.

CORE COMPETENCIES

- **Technologies**: C,C++, Python, JAVA, Data Structures, Machine Learning, Deep Learning.
- **Certifications**: CS50: Introduction to Computer Science(edx), Python Programming, Machine Learning, Cloud Computing & Devops, BlockChain & Neo4J
- **Databases**: SQL Server

RESEARCH EXPERIENCE

- Currently employed at ISU as a Research Assistant and working on *Machine Learning and Deep Learning Projects*.
  Language: Python   **Jan 2021 – Dec 2021**

INTERNSHIPS

Inventeron Technologies Bangalore   **Jan 2020 – Jun 2020**

Machine Learning Intern

- Worked on machine learning project **"Sales Prediction using Regression Analysis"** using **Python**.
- Trained and retrained the system.
- Worked with developers to correct the issues and performed statistical analysis.
- Performed troubleshooting on software performance issues.
- Determined suitability for active studies by screening potential subjects.

MMR InfoTech Bangalore   **July 2019 – Dec 2019**

Full Stack Developer

- Worked on web project **"Sports Management System"** using **HTML, CSS, PHP** and **JavaScript.**
- Determined the needs for web project and arranged for the required technical intervention.
- Collaborated with team to analyze pre-project plans and assess technical requirements to develop functioning user-friendly computer interfaces according to business goals.
- Created page content including text and overall design to complete projects to customer.

EDUCATION

Illinois State University(GPA- 3.86)   **Jan 2021-Dec 2022**

Masters in Information Systems

Rajeev Institute of Technology (7.35)

Bachelors in Computer Science   and Engineering

PROJECTS

DAIRY MANAGEMENT SYSTEM   13 Feb'18 -6 Jun'20

- Worked on **DBMS mini project** using **HTML, CSS, JavaScript, PHP** and **MySQL** using Xampp Apache HTTP Server.
- **My Role:** Worked on back-end development in project using **PHP** and **MySQL database**.
- I was the lead of the project, delivered presentation and took care of overall architecture of the project.

PAYROLL MANAGEMENT SYSTEM   12 Sep'19 -26 Dec'19

- The payroll process typically includes calculating employee pay, recording payroll transactions and determining and paying payroll taxes which include **HTML, CSS, JavaScript, PHP** and **MySQL**.
- **My Role:** Provided solutions to software issues by reviewing/debugging code.

DETECTION AND RECOGNITION OF DIRTY VEHICLE PLATE NUMBERS FOR HIGH-SPEED APPLICATIONS USING RANSAC

- Worked on **Image Processing** major project using **Python** on **Spyder platform.**
- Automatic Number Plate Recognition(ANPR) addresses various issues by presenting proper platforms along with real time, robust, and innovative algorithms like **SVM** and **RANSAC.**
- **My Role:** Collected datasets of vehicles under different circumstances of weather condition. Imported various library packages and designed overall architecture of the project.
- I was the lead of the project, delivered the presentations and managed to design overall look of the project.

Mask R-CNN CAR DAMAGE DETECTION USING COCO DATASET   8 Jan 2021-Present

- This Deep Learning Project mainly focuses on detecting car damages on large set of coco images.
- This experiment first collects car damage pictures for preprocessing and uses Label me to make data set labels, which are divided into training sets and test sets.
- The spatial information of the feature map is preserved by bilinear interpolation in ROI Align, and different weights are introduced in the loss function for different-scale targets.
- Finally, the results of dataset training and testing show that the improved Mask RCNN has better Average Precision (AP) value, detection accuracy and masking accuracy, and improves the efficiency of solving traffic accident compensation problems.
- **My Role:** Gathered large coco dataset from kaggle and MSCOCO.
  - Worked on coding and troubleshooting the code using Jupyter Notebook.
  - Trained, tested and validated the model.

ACHIEVEMENTS

- Won Inter-collegiate hackathon competition.
- Won Inter-collegiate level spell bee competition.
- Participated in sports competition and won first place in volleyball.