**SARAN ALLAM**

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**Professional Summary**

* Results-driven Computer Science Professional with 3 years of Experience in **Python**, **Java**, and **C++.**
* Developed Web applications using **HTML, CSS, JavaScript, DOM, jQuery**.
* Well versed with **Data structure** and **algorithms** and **OOP (Object Oriented Programming)**.
* Hands on Experience with **SQL** and Maintain **GitHub**, **Bitbucket** **Repository**.
* Experienced in developing Web-based application using **Python**, **Flask** and **Django Web framework**.
* Experience with several **Python** packages like **NumPy**, **Matplotlib**, **Beautiful Soup**, **Pandas data frame**.
* Have flexibility and ability to learn and use new technologies and to work in team environment as wells as independently to fulfill the job.

**Technical Skills**

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| **Languages** | Python, C, C++, Java, JavaScript. |
| **Front End** | Html, CSS, Bootstrap, jQuery, DOM. |
| **Database and Data Visualization** | MySQL, Python (pandas, NumPy, Matplotlib, Seaborn) |
| **Methodologies & tools** | UML, Agile, Object Oriented Programming, |
| **Tools** | Atom, VS code, PyCharm, GitHub, Jupyter, Anaconda. |
| **Frameworks** | Django, Flask |
| **AWS** | AWS (Lambda, EC2, S3, ELB, RDS) |
| **Operating Systems** | Windows, Linux, MAC |

**Work Experience**

**Teaching/Research Assistant**

*SUNY Polytechnic Institute, Utica, NY*  (09/2018 – 05/2020)

* Planned, modified, and executed research techniques related to Machine Learning and Artificial Intelligence, procedures, and tests.
* Graded **Python**, **Java** assignments and maintained student records to assist teachers with administrative tasks and maintain smooth daily operations.
* Actively Contributed to Professors private **repository** and studied research paper related to Machine learning models.
* Completed **reviews** of **codes**, **requirements**, and **project** plans. Mentored students through office hours and one-on-one **communication**.

**Transaction Analyst**

*Concentrix Daksh Services India* (10/2017 – 06/2018)

* **Validated** results and performed **quality** **assurance** to assess accuracy of data. Set positive example for **team** members by providing **high-quality, efficient** service.
* Maintained and Taught new team members **correct procedures** for all areas of operations.

**Python Developer**

Bobton IT Solution India (10/2016 – 09/2017)

* **Developed** web-based applications using **Python, CSS, HTML, Flask, JavaScript, and jQuery**.
* **Designed**, **developed**, and **implemented** software applications for website based on **analyzed** requirements and understanding of industry technical standards.
* Collaborated with quality assurance team to verify correct implementation of all software development changes.
* Consulted with customers to gather requirements and discuss design choices.
* Prepared and analyzed reports using **Python** **libraries** and involved in **environment** Setup.
* Acquiring, cleaning, and structuring data from multiple sources and maintain **databases**/**data** **systems**.
* Integrated Java-based web service such as **REST** and **SOAP** into database management projects using **Python**.

**Projects**

***NLP Chat Application for College Enquiry***

* Designed, Developed, and integrating the chatbot interference to College websites clone using **Python** and **Flask** **Framework**. Web scrapped and summarized College website using Beautiful Soup, Selenium and Natural Language processing and stored into database.

***Heart Disease Prediction and Analysis***

* Predicted the chances of Heart disease using **Machine Learning** algorithms like **KNN**, **Decision Tree**, **Random Forest**. Achieved the accuracy of 87% using Random Forest technique. The main objective for this project was to utilize the data available and find the most accurate technique to find the chances of Heart Disease. Worked Jupyter Notebook and Various **ML libraries** like **Pandas, Sklearn, Matplot, Seaborn, NumPy**.

***Multiuser live Calculator***

* Developed an Online live Multiuser calculator using **JavaScript**, **Node**.**js** and **socket**.**io** which can be used to do calculation with friends/ Colleagues and see the live calculation of people who are in the same sessions.

**Achievements**

* Earned the **Gold** **Badge** for **Python** on **Hacker Rank.**
* 1st Competition Prize in a **Robotics** Organized by Robo Edutech India Pvt.Ltd.
* 1st Prize in a **National Level Student Project**, Paper and Poster Presentation Competition.
* Elected as the **Student leader** for Robotics lab at GNI institutions.

**Certifications**

* Getting Started with **AWS** Machine Learning
* **Agile** Foundations
* Speaking Of: Machine Translation and Natural Language Processing (NLP)
* **SQL** Essential Training

**Education**

**Master’s in Computer Information Science** (08/2018 – 07/2020)

*SUNY Polytechnic Institution, Utica, NY (****GPA: 3.45****)*

**Bachelor of Technology in Mechanical Engineering** (09/2013 – 05/2017)

*Guru Nanak Institutions, JNTU Hyderabad*