

Saran Allam

Software Developer

Results-driven Computer Science professional with 2 + years of Experience in **Python, Java, C++** on IDE – Sublime editor, **Jupyter, PyCharm, Visual studio, Eclipse**. Well versed with **Data structure** and **algorithms**. 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**. True Team player with strengths in adaptability and accuracy.



Work History

2018-09 -
2020-05

Graduate Teaching Assistant

SUNY Polytechnic Institute, Utica, NY

- Planned, modified and executed research techniques related to Machine Learning and Artificial Intelligence, procedures and tests.
- Planned and documented programs of study meeting individual needs and abilities of students.
- Graded Python, Java assignments and maintained student records to assist teachers with administrative tasks and maintain smooth daily operations.
- Offered complete instructional support for students unable to attend regular classes.
- Participated in professional development opportunities and attended in-services and seminars.
- Completed reviews of codes, requirements and project plans.
- Actively Contributed to Professors private repository and studied research paper related to Machine learning models.
- Mentored students through office hours and one-on-one communication.

2017-10 -
2018-06

Transaction Analyst

Concentrix Daksh Services India, Hyderabad, Telangana

- Presented production ideas and determined creative scenarios for production and delivery.
- Performed system analysis, documentation, testing,



Contact

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Skills

Python



HTML/CSS



JavaScript



jQuery



C/C++/Java



SQL



implementation and user support for platform transitions.

- Researched and recommended process improvements designed to mitigate operational and financial risk.
- Managed over 300 Flagged reports and took decisions according to policies.
- Validated results and performed quality assurance to assess accuracy of data.
- Set positive example for team members by providing high-quality, efficient service.
- Maintained current knowledge of all team position requirements.
- Taught new team members correct procedures for all areas of operations.
- Collaborated with law enforcement officials to track flagged reports.

2016-10 -
2017-09

Python Developer

Bobton IT Solution, Hyderabad, Telangana

- 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.
- Attending and contributing to company development meetings.
- Integrated Java-based web service such as REST and SOAP into database management projects using Python.
- Maintained excellent attendance record, consistently arriving to work on time.

Python Django



Flask



Machine learning



Data Analysis



Statistical analysis



Agile Methodology



REST



Git



Data visualizations





Projects

- Developed a **NLP Chat Web application** for College Enquiry Purpose. College Website Clone was designed using **HTML, CSS, JavaScript, Bootstrap**. Programmed in **Python and Flask** was used for Backend integration. Provided option in Admin panel for **Web scraping** and Summarizing the content. Chabot was able to solve user queries related to College and Course Work.
- Heart Disease Prediction using **Machine Learning** algorithms like **KNN, Decision Tree, Random Forest**. The main objective for this project was to utilize the data available and find the most accurate technique in order to find the chances of Heart Disease. Worked Jupyter Notebook and Various **ML libraries** like **Pandas, Sklearn, Matplot, Seaborn, Numpy**.
- Build a Scientific Calculator as Web application using **HTML, CSS, JavaScript, DOM, JQuery**.
- Programmed and built a Prototype of a **Steering less vehicle** for **physically Handicapped** person. Programming was done on a microcontroller and working model was presented.
- Built and Programmed a **Stair climbing robot** based on **MARS Rover**. This was a clone of MARS Rover bot which works on Rocker boogie mechanism. This project was an outcome of Software and Mechanical Knowledge.



Accomplishments

- Earned the Gold Badge for Python on HackerRank.
- 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.
- 3rd Prize in a State level Robotics Competition Organized by Robo Edutech India Pvt.Ltd.
- Volunteered at the 5th International conference on "Innovations in Electronics & Communication Engineering (ICIECE-2016)".

- Elected as the Student leader for Robotics lab at GNI institutions.



Certifications

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| 2020-08 | Getting Started with AWS Machine Learning |
| 2020-07 | SQL Essential Training |
| 2020-07 | Agile Foundations |
| 2020-07 | Speaking Of: Machine Translation and Natural Language Processing (NLP) |



Education

2018-08 -
2020-07

Master of Science: Computer Information Science

SUNY Polytechnic Institute - Utica, NY

- Graduated with 3.43 GPA