

# SARAN ALLAM

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## SUMMARY

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- Results-driven Computer Science Professional with 3+ years of experience in **Python, Java, and C++**.
- Developed Web applications using **HTML, CSS, JavaScript, DOM, jQuery, Node, React**.
- 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 applications using **Python, Flask, and Django Web framework**.
- Experience with several **Python** packages like **NumPy, Matplotlib, Beautiful Soup, Pandas data frame**.
- Worked on **GIT** and Familiar with **CI/CD** tools.
- Have flexibility and ability to learn and use new technologies and to work in a team environment as well as independently to fulfill the job.

## EXPERIENCE

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**Research Assistant**, *SUNY Polytechnic Institute , NY*

*Sep 2018 - May 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.
- 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 papers related to Machine learning models.

**Python Developer**, Bobton IT Solutions Pvt Ltd, India

*Oct 2016 - Jun 2018*

- Developed web-based applications using Python, CSS, HTML, Flask, JavaScript, and jQuery.
- Designed, developed, and implemented software applications for a website based on analyzed requirements and understanding of industry technical standards.
- Collaborated with quality assurance team to verify the 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.

## PROJECTS

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

- Developed an 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.

***Heart Disease Prediction and Analysis***

- Used Machine Learning algorithms like KNN, Decision Tree, Random Forest. The main objective of 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.

***Netflix Clone***

- Built a Netflix clone using React and HTML, CSS. Used Rest API'S to fetch data from IMDB and Youtube. Hosted the application on Firebase.

## EDUCATION

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**Master of Science**, Computer Information Science  
SUNY Polytechnic Institute

*Aug 2018 - Jul 2020*  
GPA: 3.45

## SKILLS

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**Langugaes:** Python, Javascript, Java, C++, C

**FrontEnd:** HTML, CSS, Bootstrap, JQuery, DOM

**Database and Data Visualization:** MySQL, Postgresql, Python (pandas, NumPy, Matplotlib, Seaborn)

**AWS:** AWS (Lambda, EC2, S3, ELB, RDS)

**Frameworks:** Django, Flask , React, Node