

# Sandeep Srinivas Pogula

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## EDUCATION

**Master of Science in Information Systems**, *University College Dublin*

Sep 2023 – Jul 2024 | Dublin, Ireland

## PROFESSIONAL EXPERIENCE

**Programmer Analyst**, *Cognizant*

Dec 2020 – May 2023 | Bengaluru, India

- Developed robust Python and JavaScript web applications for Emblem Health, a 3.1M member healthcare insurer, adhering to HIPAA compliance.
- Implemented Python ETL pipeline optimizing data ingestion, reducing processing time by 27%.
- Engineered reactive web apps using React/Angular for 800K+ Emblem Health users, ensuring intuitive UX.
- Collaborated on RESTful APIs with Flask, improving operational efficiency by 19%.
- Built data analysis pipelines with NumPy/Pandas for executive decision-making.
- Optimized computational complexity via advanced data structures and algorithms, boosting performance.
- Conducted code reviews, collaborated closely with cross-functional teams to implement new features, leveraging effective communication skills to gather requirements, provide guidance, ensure seamless integration, and enforce coding standards and best practices.

**Intern**, *Cognizant*

Feb 2020 – Jun 2020 | Pune, India

- Conducted user research & feedback gathering insights on product ideas & features for Salesforce Service Cloud.
- Led the resolution of various user stories by debugging, testing, and deploying solutions to production.
- Played a key role in the customization of SFDC (Salesforce) by creating and deploying custom objects, page layouts, custom tabs, and components, tailoring them to align with the specific needs and requirements of the client.
- Acted as a consultant for troubleshooting and defect resolution, handling incidents, service requests, and CRM ticket management on the Salesforce Service Cloud.
- Acquired proficiency in Salesforce CRM Management through hands-on learning using Trailhead, gaining valuable insights into the platform's capabilities and functionalities.
- Effectively logged and tracked defects using Jira, ensuring prompt identification and resolution of issues.

## SKILLS

**Programming:** Python C, Java    • **Salesforce:** SFDC Admin, CRM, Lightning Web Components (LWC), SQL    •  
**Web Technologies:** HTML5, CSS, JS    • **Testing:** Selenium, Automation Testing

## CERTIFICATES

Salesforce Certified Administrator ✓    • Python for Data Science ✓    • Salesforce Certified Platform Developer I ✓

## PROJECTS

**GigaCode - Coding Platform**, *Full Stack Web development (HTML, CSS, JS, Firebase, D3.js, Judge0 API)* ✓

- Interactive tree structure roadmap visualization of learning paths with curated DSA problem sets
- Integrated code editor with syntax highlighting and auto-save functionality
- Real-time code execution and testing against multiple test cases
- User authentication and progress tracking across devices
- Responsive design for seamless use on desktop and mobile

**Analysing 15 Years of News Headlines**, *Python, ML, NLP, NLTK, VADER, Data viz, Big Data, Sentiment analysis* ✓

- Conducted machine learning analysis on 4.5 million news headlines (2007-2022) from top U.S. digital news outlets.
- Implemented Latent Dirichlet Allocation (LDA) for topic modeling
- Applied VADER sentiment analysis to track headline emotional valence
- Visualized topic trends and sentiment patterns across news outlets and over time

**Conference Management System**, *Salesforce CRM, GMaps API, Payment Gateway Integration*

- Created interfaces for managing multiple conferences, sessions, and speakers
- Implemented speaker assignment functionality for single or multiple conferences
- Integrated Google Maps API for venue search and selection, and payment gateway for session bookings

## LANGUAGES

English    • Hindi    • Telugu

## ORGANIZATIONS

**One World Festival**, *Organizer*

2017 | LPU

**Youthvibe**, *Member*

2018 | LPU

Cultural education club which helps and guides students to pursue their interests.