

Sanjana PV

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[LinkdIn](#)



PROFILE SUMMARY

An eager developer with a thirst to explore and work with new-age technologies to solve real-world problems. Seeks to employ excellent analytical and coding skills. Have knowledge and hands-on experience in the fields of Machine learning, Natural language processing, data structures, ETL, and data analysis with Python and Pyspark. Proficient in data modeling, development, and maintenance in SQL Server, DAX, Power BI, Analysis Services SSAS, AWS Cloud, and APIs within Agile methodology. Can manage technical as well as functional aspects of the project.

SKILLSET

- Languages Known: **Python(Advanced), Java, C/CPP, DAX, PowerShell Scripting, R-Script**
- Database and Analytical Tools: **SQL, MySQL, Power BI, SSAS, Excel**
- Python ML Frameworks: **Pandas, Numpy, Pyspark, Tensorflow, MLib, Keras**
- Machine Learning: **Natural Language Processing, Deep Learning, Supervised learning.**
- Version Control system: **GIT**
- Other: **Jenkins, Ansible, NEXUS Repo, Control M**

WORK EXPERIENCE

- **Société Générale (April 2021 to the current date) as Specialist Software Engineer.**
- **Société Générale (July 2019 to March 2021) as Software Engineer.**
- **Société Générale (January 2019 to June 2019) as Intern - Data Engineer.**
- **iMetrix Vision Technology India Pvt. Ltd, Bangalore (June 2018) as Intern App Developer**

WORK PROJECTS DETAILS

Automated Data insights and Business Intelligence tool:

Jan 2019 – Present

- Made reporting tool for integrating the data from different sources and giving user-friendly and easy to analyze insight-full dashboards using Power BI and Excel.
- Generating Summaries and dynamic commentaries in Python and DAX using NLG to summarize the data and results in the dashboard.
- Handling more than 300 files in a language-agnostic manner daily hence reducing latency from 3 days to Order of seconds and man-hours by 2200hr/ weekly.
- Developed customizable ETL Flow to collect data from different sources like text, CSV, Excel files, API, SharePoint, Scalify (AWS), ZIP file extract.
- Completely redeveloped the legacy Data Integration for all projects with Python.
- Made Process Monitoring Automation for all the live projects in the team.
- End to End automation of collecting, retrieving, storing, and displaying data insights for the end-user in the form of interactive dashboards.
- Worked on Setting up automated CI/CD pipelines using GIT, Jenkins, NEXUS Repo, and Ansible for the whole department which deploys the code on the live server with a single commit or merges in GIT
- Responsible for both functional and technical aspects of the project, including requirement gathering, deciphering business logic to setup language-agnostic interfaces for end-users considering a trade-off between scalability and latency, maintainability, roadmap planning, architecture setup, data modeling, database design in SQL Server, Stored Procedures to load dimensions and facts, ETL implementation using Python and SSIS, Implementation of business logic in DAX in SSAS cube, Power BI dashboards to analyze along with data insight-full summaries.
- Engaged with stakeholders to understand requirements, formulated designs, and provided regular deliverables.

EDUCATION DETAILS

| COURSE | Stream/Board | Institute | Passing Year | CGPA/ % |
|-----------------|------------------|---|--------------|---------|
| Bachelor | Computer Science | Vellore Institute of Technology, Vellore, India | 2019 | 8.76 |
| Intermediate/+2 | NCERT | Alvas P U College, Moodbidri, Karnataka | 2015 | 93.8 % |
| High School | State(Karnataka) | Deepayan English HighSchool, Hospet, Karnataka | 2013 | 89.28 % |

TRAINING AND CERTIFICATIONS

Applied Data Science with Python Specialization on Coursera
Neural Network and Deep Learning on Coursera
Machine Learning on Coursera
Text Mining and Analytics on Coursera
Cryptography on Coursera

PERSONAL PROJECTS

- **Spam Email Detection:**
Processed emails to classify them as spam or not using NLP techniques along with SMV
- **IoT - Smart Garbage system:**
Detect the level of garbage in the dustbins for a particular area using sensors and Arduino board, send alerts when it has to be cleared, and display the shortest path to reach the dustbin using Python.
- **Weather-Bot:**
A chatbot that gives information on weather forecast using APIs, with enabled audio output using e-Speak

ACHIEVEMENTS

- Technical Expertise Recognition in Townhall Event at SG
- Head started the Open-source ML approach in the department at SG
- Distinction in Senior Level exam of Drawing and painting(2012) by Karnataka Start board
- Team Caption and State level Table Tennis player(2009-2012)
- Board member in The Hindu E-Plus club, Visual Bloggers Club, and Kannada Literary Association(2016-2018) at VIT, Vellore

PERSONAL DETAILS

Languages known: English, Kannada, Hindi, Telugu
Interests: Drawing, Painting, Reading Novels/Books, Swimming, Table Tennis, Travelling, Trekking.