

Anush Jain

📁 Python Developer, Data Analyst & Machine Learning Engineer

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👤 Professional Profile

Experienced and results-driven data analytics professional with a demonstrated proficiency in econometric modeling, front-end and back-end development, and machine learning techniques. Proven track record of solving pivotal business problems. Seeking a challenging role in the software and IT domain to apply acquired skills and drive organizational success through dedication and diligence. Committed to delivering quality work and aiming for continuous growth within the field.

🏢 Work Experience

Dell Technologies

Mar 2020 - Present: *Senior Software Engineer*

- Built ML classification engine along with sentiment analysis model using NLP technique for handling customer orders placed on the portal
- Developed end-to-end re-usable automation framework using Selenium to handle web automation tasks and tests, thus eliminating any manual intervention.
- Built AI based chatbot using RASA framework to handle intake and incident management, KBAs and FAQ related to automation and sustainment handover.
- Developed Predictive Analysis model using ML based classification model to predict automation bot failures and recommend the next action steps to be taken.
- Developed several rest APIs using various python frameworks to handle user-activity and other business operations.
- Implemented Django and Flask web frameworks to develop an application to handle order management and AR based matching tool.
- Deployed the web applications based on Python frameworks on the Pivot Cloud Foundry (PCF).
- Managing the DevOps CICD lifecycle for all the web application projects to ensure all coding and security standards as per organization.
- Developed several SSIS and SSRS packages to Extract, Transform and Load handling datasets from various sources like MS SQL Server, Oracle, Teradata, Postgres and Mongo DB including to Data Warehouses and Data Lake. Created several complex and re-usable Stored Procedures to handle these huge datasets.
- Built several automation projects based on RPA frameworks using AA360, UiPath and Power Automate for various business operation tasks.

Ness Technologies

Nov 2017 - Feb 2020: *Software Senior Engineer*

- Gathered data from different aggregators by performing web scraping in Python for competitive analysis and conducted extensive research on revenue management and pricing analytics for insurance based products
- Cleaned, merged and manipulated datasets and conducted feature engineering using Pandas.
- Applied various machine learning techniques using Python to build dynamic pricing models and maximize profits.

- Built pipelines for scaling and training the machine learning model using stochastic gradient decent algorithm trained through keras neural net for multiple epochs to get the better performance and metrics.
- Created a customized name entity recognition (NER) pair for the financial terminologies to train the text forms and also analyzed the frequency and vectorization of these text works occurring in the text document.
- Worked as Matlab Programmer and solution provider for investment based product to the client as per design architecture and requirements and created the end to end automated solution of Matlab calc engine.

Cognizant Technology Solutions

Nov 2016 - Nov 2017: *Programmer Analyst*

- Handling crystal reports and design work flows and providing SEMI and CAPA solutions to the customers. Worked on PL SQL to develop custom queries and procedures and server side activities and various utility tools
- Importing data from various sources such as flat files, web APIs and through relational database into Python development environment and perform data analysis on it to get the meaningful insights.
- Used regular expressions to clean and parse the strings for pattern matching in the input files and testing with asserts. Extracting and transforming the data through custom functions. Also applying aggregations and groupby operations on the dataframes through stacking and unstacking methods.

Tata Consultancy Services

Aug 2014 - Nov 2016: *Software Systems Engineer*

- Worked as developer both in TrackWise and implementation of eOrganization and eLearning modules in eManufacturing and Newton application and also worked on PL SQL procedures for the application.
- Responsibilities: Requirement gathering, Design, Development, Implementation, Administration Integration, Client interaction and Testing
- Debugging and fixing the issues raised in python scripts during execution within scheduled SLA.

Technical Skills

- **Programming Languages:** Python, MATLAB, C (basic), Java(basic), .NET(basic)
- **Operating System:** Linux, Windows Servers
- **Databases:** Microsoft SQL Server, Oracle PL SQL, MySQL, Mongo DB
- **Frameworks & Tools:** Flask, Django, FastAPI, Streamlit, RASA NLU, SSIS and SSRS packages
- **Packages:** Pandas, Scikit-Learn, Numpy, Scipy, Spacy, BeautifulSoup, Matplotlib, Statsmodels, LangChain
- **Statistics/Machine Learning:** Statistical Analysis, Linear/Logistic Regression, SVM, PCA, Ensemble Trees, Random Forests,
- **Clustering, Recommendation Systems, Regularization.**
- **Cloud Technologies:** PCF, AWS and Azure
- **Others Tools:** GitHub Actions, Gitlab, Winscp, Putty, Jira, Control-M jobs, Bamboo for CI/CD
- **RPA Frameworks:** AA360, UiPath Studio, Selenium and Power Automate (both desktop and cloud flows)

Education

SRM University **Jun 2012 - Jun 2014:** *Chennai, Tamil Nadu IN*

M.Tech - Power Electronics and Drives **CGPA: 9.1/10**


JNTU - H **May 2008 - May 2012:** *Hyderabad, Telangana IN*

B.Tech - Electrical and Electronics Engineering **CGPA: 8.3/10**

Narayana Jr College **Jun 2006 - May 2008:** *Hyderabad, Telangana IN*

BIE - Math, Physics and Chemistry **CGPA: 9.4/10**

Certifications

-  Python for Data Science Certification Training — Edureka —Certificate ID: LH76S97Q—Jan '20
-  Big Data Engineering with Hadoop and Spark on CloudxLab platform — IIT Roorkee—Certificate ID: 5HY15— Nov '19

Achievements and Accolades

- Received prestigious Game Changer Award twice (2021 and 2023) under Innovation category in Dell Technologies
- Received several Applause awards and shout-out awards from business on the impactful work delivered.
- Got “On the Spot Award” in Tata Consultancy Services, for extraordinary performance in a P&G client.
- Won the outstanding performed award from edureka skill assessment on Data Science conducted in the Ness.
- Won 1st prize in Robo-soccer at Sreenidhi Institute of Science and Technology in “Spardhaa 10” national level technical fest held on 2-3 October 2010.
- Published a paper on “PMSG Based WECS with PR Control Strategy for Grid Control” under Automation and Control in Applied Mechanics and Materials (Volume 573) Journal and attended several national and international conferences.

Languages

-  Hindi and Telugu - Native
-  English - Business Competence