Anmol Durgapal

Data Scientist & Python Developer

About

Data Scientist with experience in executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing and building data-intensive applications. Proficient in data processing, predictive modelling and Python. Capable of creating, developing, testing and deploying highly adaptive data pipelines and data products.

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Mobile: (+91) 7456095724
Date of Birth: March 10, 2000 (*21 years*)
Nationality: Indian

Profile Links

🔗My Portfolio 🔗My Data Visualization Work 🔗GitHub 🔗LinkedIn

Work Experience

July 2021 - Present

Networth Corp - *Data Scientist*

- ⇨ Developed end-to-end data pipelines and scaled them to run in production environments
- ⇨ Evaluated the workflow of pre-existing data pipelines and contributed meaningful improvements through careful directed debugging which resulted in a 68% decrease in time in pipeline executions
- ⇨ Created and deployed PowerApps forms to be used by the clients to record data for their business projects
- ⇨ Aggregated unstructured data from 10+ sources to build a foundation of a new product
- ⇨ Created dashboards to be used by the clients to interpret consumer behaviours, and service performances
- ⇨ Prepared data flow diagrams on the draw.io platform and data dictionaries for documentation
- ⇨ Actively involved in daily standup/scrum calls
- ⇨ **Key Technologies:** Python, Azure DevOps, QlikSense, Microsoft PowerApps, draw.io & Jupyter Hub

Projects & Contributions

July 2021

🔗 Nightingale Chart Plotter - *Personal Project*

- ⇨ An interactive web app that plots nightingale chart
- ⇨ The web app offers four design templates and has the functionality to edit the design layout for the whole plot
- ⇨ The web app is hosted on Heroku servers
- ⇨ **Key Technologies:** Python, Streamlit, Heroku, Matplotlib & Object-Oriented Programming

January 2021 - Present

🔗 mplsoccer - *Open Source Contribution*

- ⇨ *mplsoccer* is a Python library for plotting soccer/football charts in Matplotlib and loading open data provided by Statsbomb. *mplsoccer* supports nine-pitch types and users can use the other methods to draw charts like Radar-Charts, Bump-Charts, Nightingale-Chart & Heatmaps
- ⇨ Because of its uniqueness, mplsoccer has been inducted into Matplotlib's third-party-package list
- ⇨ The official documentation page registers 1K+ hits per month worldwide
- ⇨ **Key Technologies:** Python, Matplotlib, Object-Oriented Programming & Google Analytics

October 2020

Player Fatigue & Performance - *Freelance Project*

- ⇨ Contribution made for the sports-science thesis
- ⇨ **Aim:** To build a model that predicts a *Rating of Perceived Exertion* value, given the external load parameters
- ⇨ **Data:** Two seasons worth of athlete's data for each training and match-day session
- ⇨ Machine Learning and Deep Learning algorithms were used to train the model
- ⇨ **Result:** Artificial Neural Network performed 7% better than a pre-defined model
- ⇨ **Key Technologies:** Python, Tensorflow, Scikit-Learn, Numpy, Pandas & Matplotlib

August 2020 - December 2020

🔗 **soccerplots** - *Open Source Contribution*

- ⇨ *soccerplots* is a Python library for making football analytics visuals in Matplotlib
- ⇨ Users can use the latest version of the library to draw charts like Radar-Charts & Bump-Charts
- ⇨ The main aim of *soccerplots* is to save time for analysts so they can focus more on the analysis rather than coding the visualizations from scratch
- ⇨ **Key Technologies:** Python, Matplotlib & Object-Oriented Programming

July 2020

🔗 **Expected Goals Model** - *Personal Project*

- ⇨ The model measures the quality of a shot based on several attributes such as shot angle, distance from the goal, Body part, player's location, goalkeeper angle etc
- ⇨ Analysts can use this model to evaluate the xG value for shots taken by the players
- ⇨ **Data:** Statsbomb open-data repository for training and testing the models
- ⇨ **Key Technologies:** Python, Scikit-Learn, Numpy, Pandas, Matplotlib, Shell-Scripting

February 2020 - March 2020

🔗 **Footy Events** - *Personal Project*

- ⇨ The aim of this project is to provide a simple way to scrape football's team/competition fixtures from sky-sports website and add those fixtures as events in Google Calendar
- ⇨ A fast and easy way for adding football fixtures list in your Google Calendar
- ⇨ **Key Technologies:** Python, BeautifulSoup, Google Authentication API & Google Calendar API

Technical Skills

- **Python Scripting & Automation**
- **Microsoft Powerapps**
- **Statistical Analysis:** SciPy & Statsmodels
- **Data Cleansing & Data Mining:** Numpy & Pandas
- **Data Visualization:** Matplotlib & Seaborn
- **Deep Learning:** ANNs & Conv-Nets
- **DL Packages:** Basics of TensorFlow & PyTorch
- **draw.io:** For creating data-flow diagrams
- **Qlik Sense**
- **Azure DevOps:** Managing Repos & Deploying Pipelines
- **Streamlit & Heroku**
- **Database:** SQL & Pyodbc
- **Spreadsheets:** Excel & Google Sheets
- **Machine Learning Algorithms**
- **ML Package:** Scikit-Learn
- **Version Control:** Git & GitHub
- **Trello:** For projects/tasks management
- **WebScraping:** BeautifulSoup & Selenium

Soft Skills

- **Communication Skill**
- **Critical Thinking**
- **Problem Solving**
- **Attention To Detail**
- **Team Player**
- **Presentation Skills**
- **Collaboration**
- **Adaptable**

Education

August 2017 - July 2021

DIT University, Dehradun, India - *Bachelor of Technology*

⇨ **Field of Study:** Computer Science ⇨ **GPA:** *7.87/10* ⇨ **Honour & Award:** 3rd Place in Hackathon