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ABOUT ME

I am a dedicated and driven **Data Science Master's student** at the **University of Naples Federico II**, with a Bachelor's Degree in Computer Science. With a realistic and optimistic mindset, I possess strong critical thinking abilities and a deep passion for tackling complex challenges.

I have a strong foundation in programming with **Python, R, and SQL** and I'm proficient in various data analysis tools, including **Jupyter Notebook, RStudio, Tableau, Power BI, and Excel**. My expertise extends to **data preprocessing**, encompassing **data cleaning and feature engineering**, as well as **data manipulation** using **Pandas and NumPy**. I excel in **data visualization** with **Matplotlib, Seaborn, Plotly, and the art of storytelling through data**. Additionally, I'm comfortable with cloud computing on Google Cloud and skilled in **data mining** techniques such as **web scraping, ETL processes, and data warehousing**. My **statistical skills** cover **descriptive statistics, inferential statistics, hypothesis testing, and regression**. I'm proficient in **machine learning**, including **supervised and unsupervised learning, classification, regression, clustering, and dimensionality reduction**, utilizing tools like **Scikit-Learn, TensorFlow, and Keras**. My **deep learning** capabilities include **neural networks, CNN, RNN, and NLP**. I'm also well-versed in **Git/GitHub** and possess a **strong commitment to data ethics and privacy**.

I take pride in my **problem-solving capabilities**, effective **communication**, and keen interpretation of data. I understand the significance of **key performance indicators (KPIs)** and am meticulous in my attention to detail, enabling me to derive actionable insights from data. In addition to my technical skills, I am a **collaborative and solutions-driven individual**. My ambition is to apply my knowledge to gain practical experience in your internship program. I am eager to learn from experienced professionals and contribute to the success and growth of your organization. My commitment to excellence is reflected in the **professional certifications** I hold, and you can explore some of my project work on my **GitHub account**. I am excited to bring my skills and enthusiasm to your internship opportunity.

EDUCATION AND TRAINING

Masters Degree, Data Science

University of Naples Federico II [1 Oct 2022 – Current]

City: Naples

Country: Italy

B.Tech - Bachelor of Technology, Computer Science Engineering - 3 Continental

Amity University [1 Aug 2016 – 15 Jul 2020]

City: Noida

Country: India

3 Continental Programme - Birkbeck, University of London

[1 Jan 2019 – 31 Mar 2019]

City: London

Country: United Kingdom

3 Continental Programme - Adelphi University

Adelphi University [1 Apr 2019 – 31 Jul 2019]

City: New York

Country: United States



PROFESSIONAL CERTIFICATIONS

IBM Machine Learning

[10 Jun 2023 – 11 Sep 2023]

I am certified in "IBM Machine Learning Professional Certificate" from Coursera & IBM, encompassing 6 courses with a focus on machine learning theory and practice. The capstone project involved building recommender systems, employing various unsupervised and supervised algorithms and utilizing tools like Jupyter Notebooks, Watson Studio, and libraries such as Scikit-learn, Keras, and TensorFlow.

Link: <https://coursera.org/verify/professional-cert/DDTCETTDZ5F8>

Google Business Intelligence

[1 Mar 2023 – 30 Apr 2023]

I've gained expertise in Business Intelligence with skills spanning data modeling, data pipelines (ETL/ELT), dashboarding, and data visualization tools like Tableau. Completed projects showcase structured thinking, stakeholder collaboration, and data-driven solutions using BigQuery and Google DataFlow. Completed 2 End-of-Course Projects which are Cyclist Scenario & Google Fiber Scenario

Link: <https://coursera.org/verify/professional-cert/CTMS6LBYS4EW>

Google Cloud Digital Leader Training

[1 Apr 2023 – 10 May 2023]

Google Cloud Digital Leader Training provided extensive knowledge in Digital Transformation, Data Innovation, and Cloud Security. Equipped to drive digital transformation and excel in the ever-evolving cloud technology landscape.

Link: <https://coursera.org/verify/professional-cert/WS64K6GD43PB>

Google Data Analytics

[1 Oct 2022 – 1 Apr 2023]

This comprehensive program covers foundational data analysis skills, question formulation, ethical data practices, data processing, analysis techniques, data visualization, coding in R, and culminates in a capstone project to showcase employability and expertise in data analytics.

Link: <https://coursera.org/verify/professional-cert/HRZ7REAXLZG8>

Google Project Management

[1 Nov 2022 – 11 Apr 2023]

Mastered risk management, process improvement, budgeting, and Agile project management, culminating in a capstone project. This program provides the latest tools and skills to enhance project delivery. Completed a capstone project. Ready to apply expertise for exceptional results.

Link: <https://coursera.org/verify/professional-cert/UT9VFSCLHP57>

Salesforce Certified Administrator (SCA)

Issued on Feb 2022, Credential ID 22952913

Key Salesforce tasks include user and permission management, security setup, data handling, reporting, workflow management, integration with apps, problem-solving, and user training/support.

Google Digital Marketing

Issued on December 2020, Credential ID: AJM BZD ANJ

Tasks include market research, SEO strategy implementation, social media campaigns, content creation, analytics tracking, and recommendations to enhance digital marketing effectiveness.



CREATIVE WORKS

Apple Foundation Program @FED S4 | 23

[27 Mar 2023 – 7 May 2023]

In the Apple Developer Academy, we embraced Challenge-Based Learning (CBL) to ideate, prototype, and develop an app for improving workout plans using Figma, SwiftUI, and Xcode. We mastered various tools and skills while focusing on enhancing user experiences.

PROCESS MANAGEMENT

Quality Management Systems - British Standards Institution

[Aug 2018 – Dec 2018]

BSI, a global leader, offers quality management system certification based on ISO 9001:2015, enhancing organizations' practices to meet customer requirements and reduce defects, applicable across industries and sizes.

Certificate No: AUBSI-QMS01-1823-0012

RISK MANAGEMENT

Risk Management System - British Standards Institution

[Aug 2019 – Jan 2020]

BSI's Risk Management Systems standard, based on ISO 31000:2018, offers a systematic framework for organizations to enhance risk management across all industries and sizes, addressing risk understanding, assessment, treatment, communication, and monitoring.

Certificate No: AUBSI-RMS01-1925-0014.

PROJECTS

Data Mining - Fake and Real News Detection using a Chatbot.

[19 Jun 2023 – 17 Aug 2023]

Data cleaning and EDA provided insights into data patterns, Feature engineering with TF-IDF vectorization prepared text data for ML models, CNN outperformed various models in real vs. fake news classification. Hyperparameter tuning and cross-validation optimized and validated the CNN model. CNN-based chatbot integration enhances news authenticity prediction and model updates based on feedback.

Forecasting Weight Dynamics and Visualizing Historical Data A Time Series Analysis

[10 Jun 2023 – 11 Jul 2023]

Our Objective is to Forecast insect colony weight with time series analysis, visualizing data in a Power BI dashboard. Performed EDA, feature engineering, and developed interpretable forecasting models. Evaluated using metrics (MSE, RMSE, MAPE) and presented insights.

Statistical Data Analysis on Human Activity Recognition Data Set

[1 Jan 2023 – 28 Mar 2023]

Analyzed the Human Activity Recognition Dataset for healthcare monitoring app development using sensors. Conducted data pre-processing, clustering, and correlation analysis. Employed various classification models, including SVM, Logistic Regression, Decision Tree, and Random Forest, followed by K-fold cross-validation for model assessment.

Missing Value Imputation for Titanic Dataset using mean imputation technique in OpenMp

[5 Apr 2023 – 10 Jul 2023]

Missing value imputation for titanic dataset using mean imputation technique in Openmp and plotted a graph for execution time Vs number of threads. It is a Final Group Project, for Data Management & Computer Networks. We have used The UNINA cluster(University): 32 nodes, 128 GPUs. Accessing the cluster: the user interface. Programming with MPI and Open MPI. Programming in CUDA. We have submitted our work to Prof. Guido Russo which got a great Result.

Predicting Housing Price of California Census Data using Machine Learning

[1 Jan 2023 – 5 Mar 2023]

Our task was to build a model to predict housing prices in California districts. Explored data, pre-processed, developed, and fine-tuned a Random Forest model, using RMSE for evaluation.



PUBLICATIONS

The Machine Predicted Market

[2018]

International Conference on Computational Techniques, Electronics and Mechanical Systems (CTEMS)

Today the people are getting more and more dependent on machines, from retail to media and from finance to security we have been taking help of machines everywhere. And today with more and more research on Machine Learning they are making our jobs more and more easier even they have started thinking for us. Such is the case with Finance industry, the machines are being used to predict the future of the stocks and they have been doing it far better than the best of investors in the Wall Street. But, sometimes they also fail and people have to pay for their failure. This paper represents a comprehensive review of how the Machine predicted or so called Algorithmic Trading works, its working models and its failure along with its future.

Link: <https://ieeexplore.ieee.org/document/8769306>

WORK EXPERIENCE

Associate Salesforce AI/ChatBot Developer

Neuraflash [1 Feb 2021 – 19 Aug 2022]

City: Hyderabad

Country: India

1. Worked on Salesforce Admin/configuration activities: Flows, Creating Email templates, validation Rules, Objects, Permission sets, Profiles, Page layouts, Sharing settings, creating Reports, dashboards.
2. Worked in AWS as well on Amazon connect flows.
3. Worked on Chat bot Configuration/Development.
4. Worked as an Support Engineering(Production Support)
5. Got used to many tools like Lucid Charts: GitHub/Version control, Jira board, Data Loader, Atlassian: Confluence, OpsGenie, PingID and many on.

Team Member

A.J. Drexel Autism Institute [1 May 2019 – 30 Jul 2019]

City: Philadelphia

Country: United States

1. **Redesigning the Website section/database development for A. J. Drexel Autism Institute, Philadelphia - Internship.**
2. Engineered website with mobile-first design, 2x faster than legacy website, as well as created new UX components. Led CS team of Amity University students in collaboration with business students from Drexel University. Supervised creation of database for the website and delegated tasks, implemented Scrum methodology

VOLUNTEERING

Escort Volunteer for International Guest, Organising And Management Volunteer for Amity Youth Fest(AYF), Security Management Volunteer for Amity Youth Fest(AYF)

[Amity University, Noida, India]

1. Escort Volunteer for International Guest - Confluence-2017, Theme: Cloud Computing, Data Science & Engineering. It was held on January[12th & 13th] - Jan 2017
2. Organising And Management Volunteer for Amity Youth Fest(AYF). It was held on February[16th - 18th] - Feb 2017
3. Security Management Volunteer for Amity Youth Fest(AYF). It was held on March[8th-10th] - March 2018