

# **Joyal John – Data Scientist** (No sponsorship needed)

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## **Professional Skills**

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Languages: **Python, SQL**, Java,

Frameworks & Libraries: **Pandas, NumPy, Seaborn**, Sci-kit Learn, Matplotlib, Psycopg2

Tools: Tableau, Power BI

Office Suite Proficiency: PowerPoint, Word, **Excel**

Cloud & Deployment: Docker, GitHub

IDEs: VSCode, Android Studio, **Jupyter Notebook, MATLAB**

OS: Windows, Linux

Version control: **Git**

## **Profile**

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I am a data scientist equipped with the strong technical skills, communication ability and fast paced learning required by my profession. I enjoy problem solving, finding efficient solutions and working in a team to achieve larger goals. After my degree, which exposed me to many technical skills, and several open-source projects, I am eager to join a fast-paced work environment where I can challenge myself, improve my skill set and gain experience. Willing to relocate for roles.

## **Certifications**

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- [\*\*Google Advanced Data Analytics Professional Certificate\*\*](#) (Expected Completion: July 2025)
  - Actively refining both technical and practical skills through real-world projects, this accredited certification reflects my commitment to excellence and adaptability to evolving industry standards.

## **Education**

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- [2021-2024] **B.Sc. (Hons) Computer Science**: University of Northampton - 2:1
  - Relevant Modules:
    - [Final Year Dissertation: Fitness Application Using Machine Learning](#) (Python/MATLAB/Research & Development Skills/Presentation Skills)
    - [AI Techniques and Machine Learning](#) (Python/Machine Learning Algorithms)
    - [Data Structures & Algorithms](#)
    - [Advanced & Modern Databases](#) (SQL, NoSQL, Relational Databases, Database Migration)
    - Group Project (Team-management & Organisational skills)
    - Systems Design & Development (Software Engineering)
    - Media Technology (Advanced Python programming)
- [2019-2021] **A-levels**: Loughborough College - BBC
- [2013-2018] **GCSEs** (9-1) English Martyrs Secondary - 11 GCSEs Grades 8-5 (A\*-C) (including Maths, English, Biology, Chemistry, Physics, IT)

## **Work Experience**

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## **Freelance Data Engineer / ETL Developer (Python, Excel) [April 2025 – Present]**

- Designed and implemented a custom ETL pipeline for a financial services client, extracting and transforming HubSpot CRM data (Deals & Users) via API, into a PostgreSQL data warehouse.
- Developed both full-refresh and incremental load scripts, enabling seamless daily updates of over 10,000+ records with up to 30-day lookback logic, ensuring data freshness for decision-making.
- Normalized and mapped 30+ custom fields to power a CFO-level Excel dashboard, enhancing business visibility into deal progression and user activity.
- Automated data ingestion and transformation using Python (pandas, psycpg2), with robust error handling and logging, reducing manual effort by 95%.
- Collaborated with stakeholders to define data specs and KPIs, supporting more accurate revenue forecasting and improved lead management.

## **Projects**

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### **Fitness Application using Machine-Learning, (Python/MATLAB) [November 2023 – May 2024]**

Researched and developed a fitness application that classifies a user's biometrics into a specific category (beginner, intermediate, advanced, expert), offering recommendations based on the classification. The app is downloadable and has a 97% accuracy for predicting the correct classification based on user biometric.

### **California Housing Price Predictions using Machine-Learning, (Python, Scikit-Learn, Pandas, NumPy, Matplotlib, and Seaborn) [February 2024 - May 2024]**

Developed a Random Forest model to predict median house values in California, improving upon a Linear Regression baseline. Conducted comprehensive data preprocessing: handled missing values, outliers, and normalized data. Engineered new features to enhance model performance. Achieved significant improvement over the baseline. Documented the project in a detailed technical report and presented findings in a 5-minute demo.

## **Other Work Experience**

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- **(September 2024 – April-2025) – Office Administrator at Enabling Others Ltd Coalville.** Duties include scheduling meetings, organising shifts for support workers, managing payroll, office maintenance, making and receiving calls.
- **(pre-2021)** General work around multiple warehouses of DPD and The Co-operative as a picker packer whilst maintaining the warehouse; given me a lot of transferable and valuable communication skills, with a strong work ethic in addition.

## **Soft skills**

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### **Communication** (written, verbal listening, presentations)

- Good written skills able to produce, essays reports and email.
- Strong verbal skills able communicate with a range of people in different setting.
- Experienced in giving presentations as part of my course to staff and fellow students.
- Active & passive listening skills

### **Teamwork**

- Experienced in working in teams, both in employment and education.
- Regularly work in teams at university to produce groups assignments, especially Group Project Module that we were assessed based on our group effort skills.

## References

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References available upon request