

# ARYA MATHEW

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## EDUCATION

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### UNIVERSITY OF WARWICK

MSc Data Analytics(Grade: Merit)

Relevant Courses: Data Mining, Natural Language Processing, Image and Video Analysis, Agent Based Systems, Algorithmic Game Theory

Coventry, UK

Sep 2022 - Sep 2023

### ST. STEPHEN'S COLLEGE, UNIVERSITY OF DELHI

BSc (Hons) Mathematics(Grade: First)

Relevant Courses: Calculus, Linear Algebra, Probability and Statistics, Discrete Mathematics

New Delhi, IN

Jul 2018 - Jul 2021

## WORK EXPERIENCE

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### CONATIX

Data Engineer Intern(Remote)

- Developed Extract, Transform, Load(ETL) scripts in Python and PySpark to extract features from unstructured and structured network logs data, optimizing data processing efficiency
- Achieved 30% improvement in machine learning classification performance by implementing effective feature engineering techniques.
- Integrated ETL pipeline outputs into machine learning products for anomaly detection in SDNs to bolster data security measures.
- Designed a Grafana dashboard and seamlessly integrated it with the Machine Learning pipeline and PostgreSQL database for real-time model monitoring.

London, UK

Aug 2023 – Present

### FINLATICS

Business Analytics Intern(Remote)

- Reviewed business projects using the MECE framework and proposed data-driven solutions to enhance organisational efficiency and performance.
- Designed Power BI dashboards and Microsoft Excel visualisations to reveal valuable insights into consumer behaviour and product preferences.

Mumbai, IN

Jul 2023 – Sep 2023

## SKILLS

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**Languages:** Python, SQL, MATLAB

**Machine Learning:** Regression, Classification, Unsupervised, Deep Learning, Gradient Boosted frameworks

**Packages:** Pandas, NumPy, Spark/ PySpark, Scikit-learn, XGBoost, PyTorch, Keras

**Statistical and Dashboarding Tools:** Power BI, Grafana, Microsoft Excel, Shell scripting, Git, Microsoft Azure

## ACTIVITIES

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### SOCIAL SERVICE LEAGUE, ST. STEPHEN'S COLLEGE

Treasurer

- Led a 30-member executive to manage the financial requirements of over 20 short-term and long-term projects.
- Successfully planned and managed a budget of £4,500 to allocate resources in alignment with the requirements of the society.

New Delhi, IN

Jul 2019 – Jul 2020

### MATHEMATICS SOCIETY, ST. STEPHEN'S COLLEGE

Executive Council Member

- Supervised a highly successful two-day cubing competition with over 100 participants, 'MathSoc Open 2020'.
- Boosted student participation in society by 30% through effective management of social media and offline promotion.

New Delhi, IN

Jul 2019 – Jul 2020

### VIDYAJYOTI, ST. STEPHEN'S COLLEGE

Teaching Volunteer

- Taught Mathematics and English to underprivileged children in grades 3 and 4 as part of a community development project

New Delhi, IN

Jul 2018 – Jul 2019

## ADDITIONAL

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**Languages:** Fluent in English, Malayalam

**Certifications & Training:** Online Courses in SQL, Power BI(Datacamp), AWS(Udemy)

**IELTS:** 8/9