

Abinash Prasana Selvanathan

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 Dublin, Ireland

Profile

MSc Artificial Intelligence student at Dublin Business School with strong programming and analytical skills. Proficient in Python, SQL, and machine learning with hands-on experience in building end-to-end ML models. Former Associate Analyst at Deloitte, supporting hospital IT systems (Epic EMR, ServiceNow, Citrix, M365) and improving workflows through data-driven problem solving. Seeking opportunities in Data Analytics, Machine Learning, and AI engineering.

Education

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|---|--------------------------|
| Dublin Business School | 2025–Present |
| • <i>MSc, Artificial Intelligence (Pursuing)</i> | <i>Dublin, Ireland</i> |
| Sri Krishna Adithya College of Arts & Science | 2020–2023 |
| • <i>B.Sc., Computer Technology (First Class, GPA: 7.42/10)</i> | <i>Coimbatore, India</i> |
| P.A. Polytechnic College | 2016–2019 |
| • <i>Diploma in Computer Engineering (69%)</i> | <i>Pollachi, India</i> |

Projects

- **Hospital Readmission Prediction** (GitHub)
 - Developed an ML pipeline using the Diabetes 130-US Hospitals dataset for readmission prediction.
 - Performed EDA, preprocessing, feature engineering, and classification model evaluation.
 - **Tech:** Python, Pandas, NumPy, Scikit-learn
- **Irish News NLP Classification** (GitHub)
 - Built a complete NLP pipeline to classify Irish news articles by topic and sentiment.
 - Performed text preprocessing (cleaning, tokenisation, stopword removal) and TF-IDF feature extraction.
 - Trained and compared Logistic Regression and SVM classifiers with visual evaluation metrics.
 - **Tech:** Python, NLTK, Scikit-learn, Pandas, Matplotlib
- **Tesla vs GameStop Stock Analysis** (GitHub)
 - Collected stock + revenue data using `yfinance` and web scraping.
 - Visualised trends and created comparative financial insights.
 - **Tech:** Python, `yfinance`, BeautifulSoup, Plotly

Skills

- **Languages:** Python, SQL
- **Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Scikit-learn, Plotly
- **Tools:** ServiceNow, Epic EMR, Citrix, VPN, Microsoft 365
- **Platforms:** Linux, Windows Server
- **Soft Skills:** Problem-solving, Communication, Workflow Optimisation

Work Experience

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|---|-------------------------|
| Deloitte | Nov 2023 – Dec 2024 |
| • <i>Associate Analyst</i> | <i>Hyderabad, India</i> |
| – Supported HIPAA-compliant hospital IT operations using Epic EMR, M365, and Citrix environments. | |
| – Resolved hardware, software, and access issues through ServiceNow, reducing user downtime. | |
| – Conducted root-cause analysis and documented resolutions for audits and compliance. | |
| – Assisted with AD provisioning, patch cycles, and application testing. | |

Certifications

- **Machine Learning with Python (V2)**: Coursera
- **Data Analysis with Python**: Coursera
- **IBM Data Science**: Coursera

Publications

- **Advanced Smart Water Dispenser with Ultrasonic Leak Detection**: International Journal of Research Publication and Reviews (IJRPR), Vol. 4, Issue 4, 2023. [Link]