

PRAVEEN SUBRAMANI

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https://github.com/PraveenSubramani88 • https://praveensubramani88.github.io/Portfolio/

Master's in Big Data Analytics with hands-on experience in **end-to-end machine learning pipelines**, **model interpretability** (e.g., SHAP), and **AI-driven workflow automation**. Proficient in **Python**, **SQL**, **Tableau**, and **cloud platforms** (AWS/Azure), with a focus on building **scalable solutions**. Seeking an **Internship** to deliver **business impact** through data-driven decision-making.

SKILLS

- **Technical:** Python, R, SQL, Matplotlib, Seaborn, Tableau, Hadoop, Spark, Azure, AWS, GCP, Tableau, Power BI
- **Certifications:** Certified Python Programmer, Tableau Specialist, Deep Learning Essentials
- **Languages:** English - C1 Level (IELTS), French - A2 Level

WORK EXPERIENCE

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| Data Scientist Intern Enfocus | 01/2024 - 05/2024 |
| Tools: Python, PySpark, SHAP, CI/CD, Logistic Regression | Ghent, Belgium |
| <ul style="list-style-type: none">• Developed AI/ML pipelines using Python and Logistic Regression, achieving 0.82 AUC and €10.1K annual cost savings by classifying 2,991+ accounts into 20+ industries.• Engineered 396 features from 136M+ logs using PySpark, improving sales efficiency by 30% through automated data imputation.• Integrated SHAP values to identify high-value customer drivers, enhancing sales targeting accuracy by 22%. | |
| Data Specialist Ford Global Technology | 03/2019 - 04/2023 |
| Tools: Python, SQL, Alteryx, Workflow Automation | Chennai, India |
| <ul style="list-style-type: none">• Automated warranty claim analysis of 5M+ data weekly using SQL and Alteryx, reduce manual effort by 80% and saving €100K/year.• Designed Cuscor, a workflow automation platform, decreasing operation delays by 35% and accelerating request resolution.• Collaborated with cross-functional teams to implement AI-driven solutions, improving operational efficiency and decision-making. | |

PROJECTS

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| COVID-19 Reporting System IÉSEG | 04/2024 - 05/2024 |
| Tools: Tableau, Geospatial Analysis, Public Health Analytics | |
| <ul style="list-style-type: none">• Engineered Tableau dashboards tracking 20M+ COVID-19 cases, identifying 18% case drop, mortality clusters via geospatial mapping.• Automated KPI tracking for vaccination rates, reducing reporting time by 40% and enabling data-driven policies. | |
| Vehicle Detection & Classification Deep Learning | 01/2024 - 02/2024 |
| Tools: TensorFlow, Keras, OpenCV, CNN, Transfer Learning | |
| <ul style="list-style-type: none">• Optimized accident scene analysis with CNN5, achieving 69.57% accuracy, outperforming MLP and ResNet50 models.• Enhanced model robustness by 15% via data augmentation (rotation, flipping, shear), improving real-world adaptability. | |
| Parking Occupancy Prediction Time-Series Forecasting | 12/2023 - 01/2024 |
| Tools: Python, TensorFlow, RNN (GRU/LSTM), 1D CNN | |
| <ul style="list-style-type: none">• Developed CNN-based time-series model for parking occupancy, reducing RMSE to 0.0003, outperforming RNNs.• Integrated attention mechanisms in RNNs, improving forecasting accuracy but maintaining CNN superiority. | |

EDUCATION

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| Master's Degree in Big Data Analytics for Business IÉSEG School of Management | |
| Descriptive & Predictive Analytics, Machine Learning, Deep Learning, NLP, Recommendation Systems | Lille, France • 09/2023 - Present |
| Bachelor of Technology in Information Technology Dhanalakshmi College of Engineering | |
| Data Structures & Algorithms, Languages (C++, Java), Database Management Systems | Chennai, India • 07/2009 - 04/2012 |