DURGA NAGENDRA PRASAD GONUGUNTA (NG)

Dublin, Ireland | +353-899447213 | nagendra4career@gmail.com
LinkedIn: linkedin.com/in/nagendra-gonugunta | **Github**: Nagendra-Gonuguntaa (Nagendra Gonugunta)

SKILLS

Languages & Frameworks: Python, Java, C, C++, SQL, R, Flask, Node.js, Spring Boot, Jenkins
Tools & Technologies: Git, GitHub, GitLab CI, Google Colab, Postman, Linux, SAP BODS, Neo4j, Jira
Databases: Oracle, PostgreSQL, MongoDB, NoSQL
Soft Skills: Strong problem-solving ability, Clear Communication, Agile Collaboration.

PROFESSIONAL EXPERIENCE

Accenture — Packaged App Development Associate (Oct 2022 – Aug 2024)

- Built and configured scalable applications supporting enterprise workflows.
- Delivered Java- and cloud-native microservices improving modularity and maintainability.
- Implemented SAP BODS ETL pipelines improving batch processing efficiency.
- Contributed to build/configuration/release processes enhancing deployment reliability.
- Applied Azure PaaS and modern data engineering practices.
- Completed Accenture TechLeap AI & ML training.

EDUCATION

MSc in Artificial Intelligence — National College of Ireland (Sept 2024 – Sept 2025) | Upper Second Class Honours (2:1)
Thesis: Implementation of a novel Generative Agentic AI Framework for Product recommendation by integrating intent classification, semantic retrieval, and natural language generation. (A+)

B.Tech in Computer Science — Vignan's Institute of Information Technology (2018 – 2022) | First Class Honours (1:1)
FYP: Heart disease prediction using Support Vector Machine and Random Forest (A+). Posted a Research Paper.

PROJECTS Nagendra-Gonuguntaa (Nagendra Gonugunta)

Blood Group Detection using Fingerprint Images
It predicts human blood groups using fingerprint images through classical machine learning and deep learning methods.
Tech Stack: SVM, RF, Baseline CNN, MobileNet, ResNet 50.

Python Code Refactoring
It involves a RAG system to refactor Python code recommendations to improve the code quality.
Tech Stack: Multi-LLM, NSGA-II, Qdrant, API Keys, Transformers, PyPDF2, radon, astunparse.

Predicting 2.5pm Particles
Analysis of air quality data from Dublin city and predicts 2.5 pm concentration levels.
Tech Stack: KNN Imputer, DBSCAN, Interactive Data Visualisation, RF, XGBoost, LightGBM.

CERTIFICATIONS

Machine Learning – AWS, Percipio;
Python & R Programming Languages - NPTEL;
Python Data Structures – University of Michigan;
AI & ML Basics – Accenture TechLeap;
Modern Data Engineering – Accenture TechLeap;
Programming for Everyone – Coursera