

Dasha S Dharshan

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PROFESSIONAL SUMMARY

Results-driven MSc Artificial Intelligence candidate with a strong blend of technical and business acumen. Skilled in data-driven problem solving, stakeholder communication, and AI/ML prototyping. Passionate about applying analytics to real-world challenges to drive impact—seeking to contribute to EY’s mission of building a better working world.

EDUCATION

Dublin City University <i>MSc Computing in Artificial Intelligence</i>	Ireland 2024–2025
Don Bosco Institute Of Technology <i>B.E. in Computer Science and Engineering</i> CGPA: 8.11	Bengaluru 2020–2024
Arvind PU College <i>Pre-University in Science (PCMB)</i> Percentage: 84%	Tumkur 2018–2020

EXPERIENCE

CSIR - National Aerospace Laboratories <i>AI/ML Intern</i> <ul style="list-style-type: none">Built a prototype CNN model to detect metal corrosion, supporting manufacturing QA decisions.Collaborated on delivering PoCs by evaluating ML models and visualizing insights for stakeholders.Mapped academic research to applied AI solutions with measurable real-world potential.	SEP 2023 – OCT 2023 Bengaluru
YAYSKOOL <i>Software Engineering Educator</i> <ul style="list-style-type: none">Delivered modules on SDLC, Agile practices, and process modeling to student cohorts.Developed interactive, case-based content to enhance learning and retention.	MAR 2022 – JUN 2023 Remote

PROJECTS

Multi-Modal Mental Health Analysis System (NLP + DL) <ul style="list-style-type: none">Developed a multi-modal AI model using BERT, CNN, and LSTM to analyze text, audio, and physiological data for early mental health risk prediction.Achieved F1-score of 0.89, delivering explainable predictions for potential deployment in health and HR sectors.Designed stakeholder evaluation frameworks to measure model impact on decision-making.	FEB 2025 – APR 2025
AI-Based Traffic Optimization using Reinforcement Learning <ul style="list-style-type: none">Engineered traffic light control models using PPO/DQN in SUMO, reducing congestion by 34%.Created business-aligned reward structures simulating real-time urban dynamics.Positioned solution for smart city initiatives with potential policy integration.	NOV 2024 – JAN 2025

LEADERSHIP & INITIATIVES

- Led 3 collegiate-level events including hackathons and workshops; managed logistics, outreach, and execution.
- Mentored junior peers in AI and Python fundamentals, enhancing team collaboration.
- Runner-up in **Smart India Hackathon 2023** and **Global Academy National Hackathon**.

TECHNICAL SKILLS

Languages: Python, Java, R, SQL, C/C++, JavaScript, HTML/CSS
Data BI Tools: Power BI, Tableau (basic), Excel, MySQL
AI/ML Tools: PyTorch, TensorFlow, BERT, CNN, LSTM, OpenAI Gym
Dev Tools: Git, VS Code, PyCharm, Eclipse, RStudio
Core Skills: Data Analysis, ML Prototyping, Business Communication, Agile, Use Case Modeling