

Dasha S Dharshan

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PROFESSIONAL SUMMARY

Dynamic MSc AI candidate with hands-on experience in AI/ML solutions, stakeholder engagement, and data prototyping. Adept at delivering proof-of-concepts (PoCs), requirement gathering, and aligning Data/AI strategies with business outcomes. Passionate about building enterprise-ready intelligent systems.

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">Delivered a prototype CNN model for corrosion detection using AI/ML techniques.Collaborated on PoC delivery involving ML evaluation and insights extraction.Aligned research insights with real-world manufacturing QA applications.	SEP 2023 – OCT 2023 Bengaluru
YAYSKOOL <i>Software Engineering Educator</i> <ul style="list-style-type: none">Taught and designed modules on SDLC, Agile models, and process modeling.Created use-case-based learning modules enhancing student understanding.	MAR 2022 – JUN 2023 Remote

PROJECTS

Multi-Modal Mental Health Analysis System (NLP + DL) <ul style="list-style-type: none">Built a multi-modal AI model combining BERT, CNN, and LSTM for analyzing text, audio, and physiological signals.Achieved an F1-score of 0.89, delivering explainable results for mental health prediction.Simulated realistic healthcare use cases with stakeholder-focused evaluations.	FEB 2025 – APR 2025
AI-Based Traffic Optimization using Reinforcement Learning <ul style="list-style-type: none">Developed RL-based traffic control using PPO/DQN in SUMO, reducing congestion by 34%.Created policy-driven reward frameworks reflecting realistic city dynamics.	NOV 2024 – JAN 2025

TECHNICAL SKILLS

Languages: Python, Java, R, C/C++, SQL, HTML/CSS, JavaScript
Data BI Tools: PowerBI, Tableau (basic), Excel, MySQL
ML/AI Tools: PyTorch, TensorFlow, OpenAI Gym, BERT, CNN, LSTM
Dev Tools: Git, VS Code, RStudio, PyCharm, Eclipse
Other Skills: Agile, Requirement Gathering, Use Case Modeling, Stakeholder Communication, Process Flow Modeling

ACHIEVEMENTS

- Finalist** – Smart India Hackathon 2023 and Global Academy National Hackathon
- 3-star Coder** – CodeChef; ranked 3rd in college
- Organized 3 collegiate events; demonstrated leadership and time management