

Aadi Patwardhan

MSc Data Science & Artificial Intelligence – TU Delft
AI Engineering — Quantum Computing
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EDUCATION

Delft University of Technology (TU Delft) MSc Data Science & Artificial Intelligence	2028
Delft University of Technology (TU Delft) BSc (Hons) Computer Science & Engineering – Track: Data & AI — Minor: Quantum Science & Quantum Information	2026 Cum Laude, CGPA: 8.7/10
Amsterdam International Community School IB Diploma: 41/45	2023 HL: Mathematics AA, Physics, Chemistry (7/7)

PUBLICATIONS

- A. Ilinescu, **A. Patwardhan**, R. Hai, *InferQ*, in **Proc. ACM SIGMOD**, 2027.
- **A. Patwardhan** et al., *QEC Lake*, in **Proc. VLDB**, 2026.

EXPERIENCE

Deal Analytics Software Intern PricewaterhouseCoopers (PwC)	Mar 2025 – Jun 2025
– Architected a full-stack deal analytics platform replacing manual PVA workflows, achieving 4x faster analysis. – Built backend automation in Python/Django and PostgreSQL; deployed via Docker on PwC's deals platforms. – Developed interactive views tailored for M&A insights (React + TypeScript). – Collaborated with finance and valuation teams to deliver solutions in an agile environment. – Conducted multi-stage user testing across teams in the Deals organization. – Prototyped AI-assisted automation tools to streamline deal analysis.	
Research Assistant – Infini Data Lab (WIS) TU Delft	Sep 2024 – Present
– Conducting honours research on efficient simulation of quantum computation systems, focusing on scalability via learning-based methods. – Developing AI-assisted techniques for enabling quantum computation. – Implementing high-performance simulation pipelines in Python/Qiskit for large-scale quantum systems. – Research at the intersection of machine learning, quantum information theory, and computational complexity.	

PROJECTS & LEADERSHIP

- IBM Quantum – Qiskit Fall Fest Mentor: Organized TU Delft's first IBM Quantum event; mentored students on quantum circuit design.
- Jane Street x Junction Hackathon (2025): TU Delft Challenge Runner-Up.
- HackDelft (2024): Top 3 nomination for CH Challenge.
- DARE Aerospace – CanSat Competition: Software & hardware engineer; Top 10 nationwide for 3 consecutive years.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript/TypeScript, Scala, SQL, Assembly
ML/AI: PyTorch, TensorFlow, Keras, LangChain
Quantum: Qiskit
Backend/Systems: Django, SpringBoot, Apache Spark, PostgreSQL, Docker
Frontend: ReactJS

ADDITIONAL

- Passionate about DSA problem solving daily, Solved 500+ LeetCode problems.
- FIDE Chess Rating: 1773.
- Dutch National U16 & U18 Cricket Team; #1 U17 bowler in Netherlands (2022).