Pranav Mohanan

607-945 Richmond Road, Ottawa, Ontario, K2J5R3
Email: pmnair96@gmail.com | Phone: +1 613 413 5616

Summary

Emerging AI Developer with nearly 4 years of experience as a Data Modeller, specializing in designing optimized data models to support enterprise reporting and analytics at the Canada Revenue Agency. Currently advancing expertise through on-the-job training in AI technologies including Microsoft Azure, Python, Java (Quarkus), and Angular. Pursuing a Master's in Artificial Intelligence, with a strong focus on delivering scalable, cloud-based AI solutions that drive operational excellence and support critical government initiatives.

Work Experience

AI Developer *CRA | Apr 2025 – Present*

- Enhanced an AI-powered chatbot using Azure Machine Learning services to improve accuracy and adaptability.
- Maintained Angular frontend and Java (Quarkus) backend for seamless UI-API integration.
- Implemented retraining workflows enabling continuous AI learning from real-time feedback.
- Analyzed usage patterns to improve chatbot responsiveness aligned with user needs.

Data Modeller *CRA | Jul 2021 – Apr 2025*

- Designed Business Area Data Models and Dimensional Models for reporting and analytics.
- Used Erwin Data Modeler to manage metadata and support enterprise data governance.
- Translated business needs into scalable and efficient data models.
- Worked with cross-functional teams to enhance BI-ready models.

Research Assistant *Algonquin College | May – Aug 2017*

- Researched Stimulated Brillouin Scattering (SBS) in optical fibers with focus on gain improvement.
- Tested pump modulation and feedback methods to reduce SBS threshold.
- Co-authored paper: SBS Enhancement Schemes.

Education

MSc in Artificial Intelligence
University of Ottawa — Expected: 2027

Bachelor of IT in Optical Systems & Sensors
Carleton University — Graduated: 2021

Skills

- **Azure** (AI, ML)
- **Python** (ML, scripting)
- **Java** (Quarkus)
- **Angular** (Frontend)
- **Data Modeling** (Erwin)
- **Problem-Solving**
- **Independent Learning**
- **Adaptability**
- **Team Collaboration**
- **Analytical Thinking**