AISHWARYA VIJAYAN

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OBJECTIVE

As a recent Ph.D. graduate in Computer Science, I am passionate about advancing database research and exploring innovative applications of spatio-temporal frameworks, neural networks, and machine learning. My goal is to contribute to cutting-edge research and collaborative projects in academia or industry, solving complex problems and driving impactful advancements in the field.

EDUCATION

Ph.D. in Computer Science
University of Illinois Chicago, 2024
M.S. in Computer Science
Anna University, 2011
B.Tech. in Computer Science Engineering
Kerala University, 2009

TEACHING EXPERIENCE

Teaching Assistant
University of Illinois Chicago (2015–2020)
- Assisted in courses on Database Systems and Advanced Database Management Systems.
- Provided feedback through grading and office hours.

Assistant Professor
MES College of Engineering (2011–2012)
SCT College of Engineering (2012–2013)
- Conducted courses on Database Design, Data Structures, and C programming.
- Mentored undergraduate and graduate students.

PUBLICATIONS

1. Wolfson et al., *Traffic Analysis Perspective on Communication in the Brain*, IEEE MDM 2017.
2. Vijayan, *Deciphering Neural Codes: A Resource Search Network Perspective*, ACAI 2023.
3. Vijayan, *Prompt Engineering for Structured Data Extraction*, ACAI 2023.
4. Enigo & Vijayan, *IP-Based Wireless Sensor Networks*, IEEE ICRTIT 2011.

SKILLS

- **Programming**: C, C++, Python, Java, MATLAB
- Expertise with Data analysis, Prompt Engineering, LLMs and machine learning techniques
- Strong communication, adaptability and mentoring abilities