Naga Jyothirmayee Dodda

Portfolio

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Professional Summary

Dedicated and outcome-oriented professional skilled in Python, C#, SQL, and Power BI. Currently pursuing a Master's in Computer Science with a specialization in Artificial Intelligence. Actively seeking opportunities as a Data Analyst/ Deep Learning Engineer/Researcher / Software Developer. Committed to staying abreast of emerging AI trends and driving innovation.

Technical Skills

Languages	:	Python, C#, Vb.net, HTML, CSS,SQL
Frameworks	:	PyTorch, TensorFlow, Langchain
Data Manipulation and Visualization	:	Numpy, Pandas, Matplotlib, Seaborn
Development Tools	:	MS Word, Excel, PowerPoint, Power BI
IDE	:	Visual Studio Code,VSCode, Anaconda
Version Control	:	VFTS, Git
Communication Tools	:	MSTeams, Zoom, Webex, Google Meet

Professional Experience

Graduate Assistant, University of Windsor — Sept 2021 - April 2023

Provided mentorship and guidance to students, fostering a positive and enriching learning atmosphere.

Conducted student meetings and meticulously assessed assignments.

Research Assistant, University of Windsor — Feb 2022 - July 2022

Assessed project requirements and meticulously curated image datasets.

Implemented advanced deep learning algorithms for precise object detection.

Effectively facilitated communication between the academic supervisor and industry collaborators.

Software Engineer, Wipro Limited(Client: BP plc) — October 2018 - August 2021

- Spearheaded full-stack support for .NET applications, from development to optimization.
- Efficiently deployed code through CI/CD pipelines, ensuring security and performance.
- Leveraged Power BI for impactful data visualizations and shared best practices for team growth.

Key Achievements:

- Successfully delivered Automation Scripts, resulting in substantial time savings:
  - Slashed maintenance time from 1 hour to just 10 minutes.
  - Elevated website availability, conserving 2 hours of manual effort daily.
- Pioneered transformative alterations to the CI/CD pipeline, yielding the following benefits:
  - Eliminated the need for extensive coding modifications, saving 30 hours.
  - Streamlined testing procedures, delivering a time-saving of 20 hours.
- Implemented automation for report generation, resulting in:
  - Reduction of manual report creation time from 6 hours to just 15 minutes.
  - Enhanced accuracy and eradication of errors associated with manual intervention.
- Proficiently designed compelling Power BI reports, optimizing data visualization and utility.

Thesis

University of Windsor, Canada **Accepted (To be Presented at ICMLA '23)**

Conducted in-depth research on industrial anomaly detection for defect identification.

Developed the innovative anomaly detection framework, Many-To-One (M2O), utilizing the transformer .

Implemented the M2O model to address challenges in generalization and efficiency.

Created and curated the ECAD dataset for electric connector anomaly detection.

The proposed solution holds potential for U-shaped network optimization..

Education

Master of Science in Computer Science – AI Specialization **August 2023**

University of Windsor, Windsor, Canada GPA: 94.00%

Relevant Coursework : Intro to Artificial Intelligence, Machine Learning, Deep Learning

Achievements

Recipient of the prestigious Vector Institute scholarship.

Awarded Graduate and Research Assistantship honors.

Acknowledged as an EMC Academic Associate in Data Science.

Recognized as a Microsoft Technical Associate in Databases.

Activities and Volunteer Engagement

Mentored students at ISC, University of Windsor.

Volunteered at CKI, University of Windsor.

Contributed to CAGIS, Windsor Chapter.

Active role in Google Developer Fest 2022.

Elected as Vector Institute's representative (2021-2022).

Attended AIM Leadership Symposium 2022/LLC 2023.

Engaged in student association during undergrad.

Represented CSE Department at National Women's Parliament 2017.

Enthusiastic participation in FinTech Valley hackathons.

Co-Curricular Activities

Secured 1st place in the 2023 Android App Development competition at Windsor Hindu Mandhir.

Achieved a notable 3rd place in the inaugural University of Windsor Policython (2023).

Acted as a diligent reviewer for research proposals at the UwillDiscover conference (2023).

Actively participated in the Future Mobility Challenge Hackathon (2022).

Hobbies and Interests

Engaged in badminton, coding, handicrafts, and glass paintings.

Freelancing

Offered freelance services for Android App Development to a startup.

Volunteer- Leading 5-student Android app team for Windsor Hindu Mandhir, launching on Jan 1, 2024.