Vishwanadham Mandala

Professional Experience:

1. (**Current**)Data Engineering Lead in the Department of Analytics and AI, Cummins, Inc
2. Enterprise Data Integration Architect, Ciena, Inc
3. Enterprise Data Integration Architect, Cummins, Inc
4. Integration Lead Architect, Sierra-Cedar, Inc
5. IT Consultant, Oracle Corporation.
6. Technical Lead, IBM India
7. Sr Software Engineer in Accenture India
8. Technology Mentor/Teacher/Speaker in Data Engineering, AI, and ML Areas.
9. Researcher and Innovator with Scholarly articles and Patents.

About:

Vishwanadham Mandala is a seasoned IT professional with over 20 years of experience in the industry, having worked with leading corporations such as Accenture, IBM, Oracle, Ciena, and Cummins. His extensive expertise spans Big Data, Data Engineering, Cloud Data Engineering, AI & ML solutions, Data Streaming technologies, Workflow orchestration technologies, Data Integrations, and Technology leadership.

What Vishwanadham Mandala brings to the table:

With a comprehensive IT architecture and technology leadership background, Vishwanadham Mandala brings expertise in driving advanced analytics and accelerating business capability delivery through data science. His multi-cloud certifications and proficiency in AI ML and Data Engineering showcase his commitment to staying at the forefront of technological advancements.

Something about Vishwanadham Mandala's background:

Vishwanadham Mandala holds a B Tech in Computer Science and engineering, an M Tech in Computer Science Engineering from Government universities in India, and a master's degree (MS) in Data Science specialization from Indiana University, USA. He is currently pursuing a PhD in Data Science. His academic and professional journey underscores his dedication to continuous learning and mastery of cutting-edge technologies.

A Highlight from Vishwanadham Mandala's career:

Vishwanadham Mandala's contributions have significantly advanced manufacturing methodologies, underscored by his influential research papers and innovative patents. In addition, his pioneering work in medical devices, integrating Internet of Things (IoT) technology such as intelligent thermometers and stethoscopes, has been vital in tracking health indicators like fever, blood pressure, and diseases in rural areas. Beyond these accomplishments, Mandala has made notable strides in environmental science, with groundbreaking innovations and

research in measuring and predicting conditions affecting air, water, and land, demonstrating his wide-ranging impact on technology and sustainability.

What Vishwanadham Mandala commits to as a professional in his respective field of work:

Vishwanadham Mandala is committed to contributing to the growth of data science through impactful projects, mentorship, and evangelization of cutting-edge technologies. His dedication to empowering students and contributing to annual student scholarships reflects his commitment to nurturing the next generation of technology professionals.

Proficiency:

- Big Data Engineering
- AI & Machine Learning in Manufacturing
- AI & Machine Learning in Healthcare
- Cloud Data Engineering
- Data Integration
- Data Analytics

Tools, Frameworks, and Technologies:

Application side (OLTP):
    Java, Spring Boot, Python: Expert Level
Architecture Side:
    Expert in Domain and Technology architecture in Integration, Ingestion, and Data
Data modeling: Expert Level
Clouds: AWS, Azure and GCP
OLAP: Snowflake, Azure DBx, AWS Lambda, Mulesoft, APIgee
API: Mulesoft, Spring Boot, APIgee
Analytics: OBIEE and Power BI
Supporting Tools: CTRL-M, Appworx, Apache Airflow, Matillion, DBT, Java, Python, Snowpark, snowsql, Snow tasks, Jenkins (Groovy), GIT, Cloud formation, Gen AI, Automation using Python, PowerShell, power apps

Demonstrated Professional/Academic Excellence:

- Contributions to multiple research papers and patents
- Second master's degree (MS) in Data Science specialization from Indiana University, USA, and Pursuing a PhD
- Awards & Recognitions Conferred
- Holds 10+ patents for inventions in manufacturing and medical devices in IoT areas
- Press/Media Coverage

Vision:

Vishwanadham Mandala envisions leveraging his AI and ML expertise to drive impactful technological advancements, particularly in citizen safety, Manufacturing, healthcare, and environmental applications. His aspiration to contribute to accelerating business capability delivery through advanced analytics reflects his commitment to driving meaningful impact in the industry.

This professional bio underscores Vishwanadham Mandala's extensive experience, proficiency, and commitment to driving technological advancements, positioning him as a valuable AI and ML expert and technology leader in the industry.

Resume links:

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