



## Contact



mkdivya1402@gmail.com



www.divyamk.com



www.linkedin.com/dmuralik

## About me

I'm a Computer Engineering graduate currently pursuing a Master's in Artificial Intelligence and Data Science, with hands-on experience in systems engineering, network infrastructure, embedded systems, and software development. I've worked on real-world data applications across full-stack, automation, and performance-focused projects. Currently, I'm building further expertise through certifications in IT Infrastructure, Systems Engineering, and Cybersecurity, and I'm eager to contribute to forward-thinking teams in data platform, intelligent systems, and security-focused roles.

## Technical skills

### Programming & Scripting Languages:

Python, Java, Scala, C++, JavaScript, SQL, HTML/CSS, Bash, PowerShell

**Cloud & Distributed Computing:** AWS, Apache Spark, Hadoop, distributed systems

**Data Engineering & Analytics:** ETL pipelines, data cleansing & integration, Apache Kafka, Pandas, NumPy, Power BI, Jupyter Notebook, MATLAB, SPSS

**Databases & Storage Systems:** PostgreSQL, MySQL, DynamoDB, NoSQL, relational and non-relational databases

**Machine Learning & AI:** TensorFlow, PyTorch, Scikit-learn, model development & deployment

**DevOps & Version Control:** Git, CI/CD, automated testing, version control systems

### Web & Application Development:

RESTful APIs, Flask, Node.js, React.js

**Networking & Cybersecurity:** Firewall configuration, IP networking & subnetting, VPN management

# Divya Murali Krishnan

Computer Engineer

## Education

### Master of Science in Artificial Intelligence and Data Science

Westford University, Dubai & UCAM, Spain, 2026 (expected)

### Bachelor of Engineering and Applied Science, Computer Engineering

Memorial University of Newfoundland, NL, Canada, 2025

### High School diploma in Physics, Chemistry, Mathematics, Computer Science, English

Abu Dhabi Indian School, Abu Dhabi, UAE, 2018

## Work Experience

### Internetwork Technology, Abu Dhabi, UAE

Fall, 2023 & 2024

#### Network and Security Engineer Intern

- Design, implement, and maintain secure network infrastructures to ensure seamless data and voice communication.
- Monitor network performance and security, identifying vulnerabilities, and implementing security protocols
- Manage firewalls, VPNs, and network access controls to safeguard systems against threats
- Scripting using Python, Bash, and PowerShell to streamline network management tasks, enhance security monitoring, and optimize system performance.

### Teck Resources Ltd., Calgary, Canada

2022

#### Systems Engineer Co-op

- Generated network KPIs and visual dashboards using Python and cloud-hosted tools to monitor LTE infrastructure performance. Ensured reliable device communication and uptime across LTE network infrastructure in distributed environments
- Built automated data pipelines to support real-time LTE performance analysis.
- Developed and reviewed circuit schematics for LTE communication systems.

### Memorial University of Newfoundland, NL, Canada

Summer, 2021

#### Software Developer and Supplemental Instruction Leader

- Developed a full-stack data analytics application using HTML, CSS, JavaScript, Python, and PostgreSQL.
- Processed structured and unstructured data to support university analytics and reporting.
- Participated in code reviews and testing to ensure application quality and performance.

### Audace Labs, Dubai, UAE

Fall, 2020

#### Software Tester

- Test software for usability and database impact
- Participate in design review meetings to ensure alignment between product design and customer requirements

### Port Electric Solutions, NL, Canada

Winter, 2020

#### Embedded Systems Student Engineer

- Design PCBs for ship control and navigation systems
- Research alternative embedded system solutions for future projects
- Develop embedded systems for ship infrastructure using ARM microcontrollers

### Garnet Management Consultancies, Abu Dhabi, UAE

Summer, 2019

#### Web developer and application software tester

- Designed websites based on client-specific requirements and feedback.
- Tested and demonstrated application features to ensure satisfaction and usability.