Ashwin Gopalsamy
Software Engineer

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Summary:

A highly capable software engineer and open-source contributor with around an year of experience in **Full-Stack Development, DevOps and Cloud Engineering**. Flexible to work comfortably on any software engineering role that requires problem-solving skills and willingness to learn.

Work Experience:

Hexaware Technologies - Software Engineer Associate.

- Architecture, designing & participating in the creation, development and refinement of **enterprise-grade production applications** on the cloud.
- **Managed infrastructure,** hosting environment and repositories, implemented **CI/CD Pipelines** for workflows.
- Collaborated on **developing UI-UX**, **building APIs** & **streamlining workflows** from development to handover.
- Working in a fast moving, iterative, scrum, result-oriented DevOps team, with sheer focus on production.
- A commitment to best practices, opinions on operational processes, DevOps, deployment checklists, and more.

Microsoft - Intern.

- **Future Ready Talent Internship**, 4 months.
  - Learnt, practiced and worked on **Microsoft Azure**, **Power BI, GitHub** Platforms for a period of 3 months.
  - Developed an open-source Ed-Tech project, leveraging the power of Azure Cloud & Azure Cognitive services.

Skills:

- Strong **Object Oriented Design, Programming** and **Problem Solving** knowledge.
- Data Structures and Algorithms.
- **Languages:** C++, JavaScript, Go.
- **Frameworks :** React, Angular, Express.
- **Cloud & DevOps :** AWS, Azure, Docker, Jenkins, Kubernetes, Terraform, Jira, Azure DevOps.
- **Databases and Others:** MySQL, MongoDB, DynamoDB, Linux, Kafka and Microservices.

Education:

Hindusthan College of Engineering and Technology

- B.Tech Information Technology, 2017 - 2021 | **CGPA : 8.3**
  - Best Outgoing Student of the Batch 2021, Information Technology - HICET
  - Co-ordinated Corporate Relations with department for Placement Cell Activities.
  - Revitalized Google Developer Student Club and HiCET Developer Club and handled multiple roles with enthusiasm and co-ordination within teams.

Certification:

1. Oracle Cloud Infrastructure - Foundations Associate
2. Microsoft Certified : Azure Data Fundamentals
3. Microsoft Certified : Azure AI Fundamentals
4. Microsoft Certified : Azure Fundamentals
5. Distinction with Merit in Cambridge University Business English Exam.

Research Publication:

- **Intelligent Traffic Orchestration System using Machine Learning** - (August, 2020 - May,2021)
  - Authored and published my research paper in Machine Learning on Traffic Orchestration on Springer Publications.
  - Leverages YOLOv3 Machine Learning Model to switch signal, thereby reducing traffic congestion.