Harshad G Naik

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EDUCATION

•**Sahyadri College of Engineering and Management, Adyar, Mangalore.**   *December 2021 - July 2025*
Bachelor of Engineering in Computer Science and Engineering.   CGPA : 7.8

•**Siddartha Pre-Univesiity College,Bhatkal,UttaraKannada.**   *May 2019 - April 2021*
Karnataka State Board.   Percentage :93.66

SKILL SUMMARY

- **Cloud Platforms:** AWS (EC2, S3, Lambda, CloudFormation, etc..), Azure.
- **Programming Languages:** C, C++, SQL, HTML, Python, Java.
- **Developer Tools:** Git/Github, MySQL, VS Code.
- **Operating Systems:** Windows, Linux, Kali Linux.
- **Soft Skills:** Leadership, Event Management, Teamwork, Creativity.

KEY PROJECTS

•**Coverage Path Planning Algorithm for Robustic Application.**

– Designed and developed a path-planning algorithm for autonomous navigation, handling static and dynamic obstacles; built real-time simulations using Python and ROS, ensuring 100% area coverage with minimal backtracking; optimized algorithm performance, reducing path calculation time by 25% with heuristic-based optimizations.

– Technologies used: Python, ROS, NumPy.

•**Direct Farmer Marketplace.**

– Engineered a web platform for direct consumer-to-farmer transactions, implementing secure authentication and real-time inventory management; optimized system efficiency, reducing server response time by 30% and boosting transaction speed.

– Technologies utilized: MongoDB, Express.js, React, Node.js, Mongoose.

INTERNSHIPS

•**Software Engineer Intern (MRI Software)** | Link   *January 2025 - Present*

– Contributed to full-cycle software development, optimizing code to enhance performance; wrote and optimized test cases, achieving 98% code coverage; collaborated with cross-functional teams (DevOps, Developers, QA) to reduce system downtime by 20%; participated in code reviews to ensure code quality.

– Technologies used: AWS, Python, SQL, Docker, Jenkins, MySQL, Linux.

CERTIFICATIONS

–**KodeKloud Labs: The Complete DevOps Bootcamp (KodeKloud)** | Certificate   *March 2025*

∗ The Complete DevOps Bootcamp, gaining hands-on experience in CI/CD, Docker, Kubernetes, and cloud computing, improving deployment efficiency by 90% and enhancing system scalability by 85%.

–**AWS Cloud Practitioner Essential Certification (AWS)** | Certificate   *November 2024*

∗ Gained foundational experience with AWS services (EC2, S3, Lambda) for building scalable, secure cloud applications, improving deployment efficiency by 80-85%; learned to configure IAM roles, VPCs, and automate deployments using CloudFormation, enhancing security by 80-90%.

–**Azure Beginners : Cloud Fundamentals Challenge (Azure)** | Certificate   *March 2023*

∗ Developed hands-on expertise in Azure services, provisioning and managing cloud infrastructure with Virtual Machines, Blob Storage, and SQL Databases, increasing operational efficiency by 40-45%; implemented secure, scalable solutions by configuring RBAC, deploying serverless functions with Azure Functions, and using Azure Resource Manager (ARM) to orchestrate resources, boosting security by 20-30%.