

Vishnu Vardhan Kosuru

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PROFILE

Associate Software Engineer with a strong foundation in designing, building, and supporting scalable software solutions. Completed **1 year of hands-on experience at Quantiphi**, working across backend development, cloud technologies, and modern DevOps workflows. Skilled in understanding business requirements, delivering reliable code on time, and adapting quickly to new tools and technologies. Known for strong problem-solving abilities, clear communication, and a collaborative mindset. Excited to contribute to dynamic teams and grow across backend, cloud, and full-stack engineering roles.

EDUCATION

Bachelor of Technology

Computer Science and Engineering

Amrita Vishwa Vidyapeetham, Kollam, Kerala

GPA: 8.28

EXPERIENCE

Quantiphi Analytics

Jul 2025 – Dec 2025

Framework Engineer

- Contributed to **backend development** by completing assigned features, resolving critical defects, and improving service reliability across multiple microservices.
- Diagnosed and traced production and cloud-related issues using **GCP Logging, Error Reporting, and Monitoring**, reducing debugging time by nearly **50%**.
- Implemented robust **data validation and reCAPTCHA mechanisms**, eliminating data leakage in logs on the main website page and improving input security by **97%**.
- Took initiative in managing and executing deployments across **QA, UAT, and Production** environments, ensuring **100% smooth and timely releases** in collaboration with cross-functional teams.
- Worked closely with teammates and senior engineers to **refine requirements, validate fixes, and maintain consistent workflow alignment**, increasing team delivery efficiency by **45%**.

Quantiphi Analytics

Jan 2025 – Jun 2025

Framework Engineer - Intern

- Gained hands-on exposure to **Google Cloud Platform (GCP)** services, actively learning cloud fundamentals, environment setup, logging, monitoring, and deployment workflows.
- Built a strong foundation in **Infrastructure as Code (IaC)** by working with Terraform scripts, enabling better understanding of resource provisioning and cloud automation.
- Completed **Google Associate Cloud Engineer** and **Terraform Associate** certifications during the internship, strengthening cloud knowledge and demonstrating commitment to continuous learning.
- Contributed to the **project planning team** by researching potential solution approaches, evaluating feasibility, and documenting findings to support informed decision-making for a new product initiative.

AMMACHI Labs, Amritapuri, Kerala

October, 2023 - March, 2024

Unity Game Developer - Intern

- Analyzed data related to **game development** in Unity and worked on implementing empathy recognition in users
- Utilized skills in Python, Unity and **data analysis** techniques to extract insights and enhance user experience
- Created **Interactive Forms** within the Game Scenes and generated **data reports** from the forms

PROJECTS

Space Co Website - (2024)

- Designed and developed a responsive front-end for Space Co using **Angular**, optimizing user engagement and interactivity
- Integrated **Three.js** for an interactive 3D model, allowing users to explore visual elements directly on the site
- Utilized **GitHub** for collaborative version control, ensuring streamlined teamwork and code management across all team members

Bam Chatbot using Gemini API - (2024)

- Developed a personalized chatbot named Bam using the **Gemini API** for natural language processing and content generation
- Integrated voice interaction capabilities using **gTTS** (Google Text-to-Speech) for interactive user experience

Facelog - Automated Attendance Tracking System - (2024)

- Implemented face detection for attendance using **deep learning**, utilizing the **MobileNetV2** architecture
- Incorporated hyperparameter tuning and data augmentation techniques to enhance model accuracy and robustness

TECHNICAL SKILLS

Languages: Python, C++, SQL

Frameworks and Tools: FastAPI, Docker, Kubernetes, GitHub Actions, Jupyter Notebook, Visual Studio Code, Terminal, Unity

Cloud and Devops: Google Cloud Platform (GCP), Terraform, CI/CD, Linux Shell Scripting

AI/ML: Prompt Engineering, Claude, ChatGPT

Databases: PostgreSQL, SQLite, MongoDB

SOFT SKILLS

Good Communication Skills, Presentation Skills, Exceptional Organizational Skills

PUBLICATIONS

Developing a Geriatric Depression Chatbot: A Technological Approach for Elderly Mental Health Support (2025)

Submitted to the International Conference on Computing, Communication and Networking Technologies (ICCCNT), held at IIT Indore.

Contrastive Representation Learning for Multimodal Single-Cell RNA-Seq Data Integration (2024)

Presented at the 8th International Conference on Electronics, Communication, and Aerospace Technology (ICECA), held at RVS Technical Campus, Coimbatore, India.

CTG-Based Fetal Health Prediction: A Comparative Study of Machine Learning Models (2024)

Submitted to the International Conference on Computing, Communication and Networking Technologies (ICCCNT), held at IIT Mandi.

COMMUNITY OUTREACH

Team Leader- Workshop on C++ (SSR project)

(2023)

- Guided and mentored a group of 60 students during a workshop on C++, demonstrating effective **leadership** and **communication skills**
- Managed a team of 7 members, strengthen **collaboration** and **teamwork** to ensure the smooth execution of the workshop

Volunteer - Amrita Sree Seva Help-Groups - Ayudh Club

(2022)

- Actively participated in a community service program and portrayed good team player abilities.
- Successfully managed a large group of people, along with my fellow volunteers, ensuring to follow required instructions

CERTIFICATIONS

Certified Google Professional Cloud Architect

(2025)

Certified Oracle APEX Cloud Certified Developer Professional

(2025)

Certified Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

(2025)

Certified HashiCorp Certified: Terraform Associate (003)

(2025)

Certified Google Associate Cloud Engineer

(2025)

Certified Google Data Analyst

(2024)