

Areeb Ahmed Shariff

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EDUCATION

Dayananda Sagar College of Engineering <i>Bachelor of Engineering – Computer Science and Business Systems</i>	Bengaluru, India 2022 – 2026
Delhi Public School <i>12th Standard</i>	Riyadh, Saudi Arabia 2020 – 2022

TECHNICAL SKILLS

Languages: Python, Go, Bash
Frameworks: Django, FastAPI, Pytest, Pydantic, SQLAlchemy, SocketIO, Crawl4AI, Streamlit, Gin
Developer Tools: Docker, Kubernetes, OpenTofu, GitHub Actions, AWS, GCP, Monitoring, GitOps

EXPERIENCE

DevOps Intern <i>Open Healthcare Network</i>	January 2025 – Present Kochi, India
<ul style="list-style-type: none">Migrated Kubernetes-based deployment from Google Cloud to Amazon EC2 with Docker Swarm, optimizing infrastructure costs by 60%.Automated frontend deployment using Terraform, serving static files via Google Cloud Storage with CDN, ALB, and SSL-enabled security.Developed Bash scripts to automate backend deployment on Azure Container Apps, integrating PostgreSQL Flexible Server, Redis Cache, and S3-compatible storage via Flexify.IO.	
Backend Intern <i>Embeddings Corporation</i>	February 2025 – April 2025 Remote
<ul style="list-style-type: none">Built RAG-based AI agent with Pydantic AI that streamed responses in real time, crawled sitemaps asynchronously with Crawl4AI, and chunked content by smart boundaries (code blocks, paragraphs).Created knowledge management system with Gemini 2.5 Pro for analysis, Ollama's nomic-embed-text for embeddings, and Supabase for vector storage and fast semantic search.Updated infrastructure documentation with self-hosting and deployment guides for AWS.	
Open Source Contributor <i>Open Food Facts</i>	September 2024 – Present Remote
<ul style="list-style-type: none">Implemented image auto-rotation with Google Cloud Vision OCR with bounding box handling.Integrated Google Cloud Vision FaceAnnotation API for confidence-based face detection and storage.Added support for downloading obsolete product dumps for OFF, OBF, and OPFF flavors.	

PROJECTS

Mivro <i>FastAPI, OpenFoodFacts API, Manifest V3, Flutter, Firebase, AWS Fargate</i>	GitHub
<ul style="list-style-type: none">Developed cross-platform app and web extension for personalized product profiling in food, drink, cosmetic, medicine, and pet food categories.Integrated Claude API to categorize nutrients based on user-specific health data, analyse health risks associated, and recommend healthier food options or lifestyle changes.Implemented custom searching algorithm using fuzzy matching and keyword clustering techniques to accurately retrieve products from the database based on complex user queries.	
Crypta <i>Django, PyTsk3, MemProcFS, Scapy, TensorFlow, Google Compute Engine</i>	GitHub
<ul style="list-style-type: none">Developed automated digital forensics and incident response (DFIR) system designed for anomaly detection and pattern recognition across system data and network activity.Implemented YARA rules with LSTM model for IoC detection (96% accuracy, 20% fewer false positives) and used Scapy to automate network analysis of HTTP, DNS, and IP packets.Generated summarized results using ReportLab library, providing real-time data visualization on the dashboard and export options in PDF, JSON, and CSV formats.	
GodsEye <i>Flask, BeautifulSoup, LangChain, Streamlit, MongoDB, Render Cloud</i>	GitHub
<ul style="list-style-type: none">Developed automated news feedback system providing data visualizations on news article sentiment, organization-wise distribution, and overall coverage insights from selected news agencies.Implemented an asynchronous pipeline with Httpx to scrape articles and applied the Gemini API for trend, keyword, and sentiment analysis.Designed UI using Streamlit framework and Plotly library to generate dynamic data visualizations using bar charts, pie charts, line charts, area charts, and more.	