

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
Alpine Public School <i>12th Standard</i>	Bengaluru, India 2020 – 2022

TECHNICAL SKILLS

Languages: Python, Go, Java, Bash
Frameworks: Django, FastAPI, Pytest, Pydantic, SQLAlchemy, SocketIO, Crawl4AI, Streamlit, Gin
Developer Tools: Docker, Kubernetes, Terraform, GitHub Actions, Postman, Apache Kafka, AWS

EXPERIENCE

DevOps Intern <i>Open Healthcare Network</i>	January 2024 – Present Bengaluru, India
<ul style="list-style-type: none">Reviewed and upgraded Kubernetes clusters on Google Kubernetes Engine, ensuring compatibility with newer versions and resolving syntax changes in configurations.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.Updated infrastructure documentation for AWS, GCP, Azure, and DigitalOcean.	

OPEN SOURCE CONTRIBUTION

Open Food Facts <i>Pearl, JavaScript, Python, Dart, MongoDB, OVH Cloud</i>	Contributions
<ul style="list-style-type: none">Migrated dependency management from pip to Poetry and updated repo installation docs.Added support for downloading obsolete product dumps for OFF, OBF, and OPFF flavors.Optimized HTML meta tags for the frontend, boosting social click-through rate.	

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, Azure App Service</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 custom YARA rules with LSTM model for IoC identification, achieving 96% accuracy and 20% fewer false positives in detecting file anomalies.Integrated Scapy library to automate network traffic analysis, identifying anomalies in HTTP requests, DNS queries, and IP packets within packet captures.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 asynchronous processing using Httpx library to scrape articles from various media websites.Integrated Gemini API to identify trends such as trending topics, keywords, and analyze sentiment from the scraped article data.Designed UI using Streamlit framework and Plotly library to generate dynamic data visualizations using bar charts, pie charts, line charts, area charts, and more.	