

# FARHA SAYED

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References Available on Request

## KEY SKILLS

Java | Python | C | Cloud Computing | Kubernetes | Docker | Red Hat | Cybersecurity | R | SQL | LaTeX

## WORK EXPERIENCE

Gulf Business Machines — Junior Engineer, Cybersecurity | Dubai, UAE NOV 2024 – PRESENT

BGC Group/ Cantor Fitzgerald – Infrastructure (Technology) Intern, UNIX | London, UK JULY 2024 – SEPT 2024

- Migrated observability stack from monolithic versions to cloud-agnostic microservices on Red Hat OpenShift
- Deployed infrastructure and log management apps - Prometheus, Promtail, Grafana, Loki, Mimir and OTel
- Customized Docker images to adhere to security standards and meet platform-specific requirements
- Introduced Kubernetes, Helm charts and Open Shift via demos to 15-20 team members
- Worked alongside team to learn about maintaining CentOS/Rocky Linux servers
- Researched the Java JMX Exporter to instrument Java applications and expose their metrics
- Used Nexus and Vault for artifact and secret management
- Learnt about PostgreSQL architecture, GitLab CI/CD and automation using Ansible AWX

Quantum Ventura — Technology Intern, Cybersecurity | Dubai, UAE JUNE 2022 – AUG 2022

- Gained foundational knowledge in cybersecurity and network fundamentals
- Explored the intricacies of network layers and the process of data transfer between machines
- Investigated a range of cyber threats such as DDoS, Injection, Password, XSS, Backdoor & Ransomware
- Worked with a team of 5 on the launch of an NDR/EDR product to monitor, detect and visualize threats
- Evaluated softwares such as Apache Flink, Kafka, Zeek and ElasticSearch
- Analyzed market segments to effectively position product within the competitive landscape
- Conceptualized 10-15 dashboard features such as different dashboards for IT admins and senior leadership

## CERTIFICATIONS

AWS Certified Cloud Practitioner (CCP)	OCT 2024
Red Hat RHCSA Rapid Track Course (RH199)	NOV 2024
Fortinet Certified Fundamentals - Cybersecurity (FCF)	NOV 2024
Certified Kubernetes Administrator (CKA)	EXPECTED: DEC 2024

## EDUCATION

University of Leeds – BSc Computer Science and Mathematics (Honors) | Leeds, UK SEPT 2021 – JUNE 2024  
Relevant: OOP, Algorithms & Data Structures, AI, Numerical Computation, Databases

GEMS Modern Academy – High School Diploma | Dubai, UAE APR 2017 – SEPT 2021  
Relevant: Comp.Sci. - Java (Grade 10 & 12: 100%; 97%), Maths (Grades 10 & 12: 94%; 91%)

## PROJECTS

**Proactive Autoscaling in Kubernetes** - Research project on autoscaling strategies on Microsoft Azure  
**AI Presenter** - Spoke at the 'New Directions in AI' conference at SRM Institute before 150+ attendees  
**'Carpe Vitae Capital'** - Team of 3 built a web page using HTML/CSS, JavaScript to visualize financial assets  
**'Our Meraki'** - Created a platform to assist with animal adoption, designed the website with 200+ adoption listings  
**Data Mining** - Team research on 'Sentiment Analysis in the Fashion Industry' for an EPSRC proposal