

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

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

- **Migrated observability stack** from monolithic to **cloud-agnostic microservices** on **Red Hat OpenShift**
- **Developed custom Helm charts** to **automate application deployments** across servers globally
- **Customized Docker images** to adhere to security standards and meet platform-specific requirements
- **Presented** Kubernetes, Helm charts and Open Shift **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 apps** and expose their metrics
- Learnt about **PostgreSQL** architecture, **GitLab CI/CD** and **automation using Ansible AWX**

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

- 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 viewing modes for IT admins and senior leadership

Protiviti — Consulting Intern, Cybersecurity | Dubai, UAE JULY 2020 - OCT 2020

- 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

CERTIFICATIONS

AWS Cloud Practitioner OCT 2024
Red Hat Certified System Administrator (RHCSA) – In Progress EXPECTED: OCT 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

ADDITIONAL INFO

Languages: English (Fluent) | Hindi (Fluent) | Arabic (Conversational)
Interests: Fitness | F1 | Greek Mythology | Animal Welfare