UNIVERSITA' DEGLI STUDI DI GENOVA

AREA RICERCA, TRASFERIMENTO TECNOLOGICO E TERZA MISSIONE
SERVIZIO RICERCA
SETTORE RICERCA NAZIONALE

IL RETTORE

- Visto il Decreto Rettorale n. 3204 del 31/07/2025, con il quale è stato indetto il concorso per titoli e colloquio, per il conferimento di 1 borsa di ricerca post-lauream, di tipo starting, della durata di 4 mesi dell'importo lordo di euro 5.416,00 (cinquemilaquattrocentosedici/00), non rinnovabile, per lo svolgimento di una ricerca sul tema: "Metodi e modelli per il processing di dati da telecamere ad eventi basati su tecniche di intelligenza artificiale generativa", presso il Dipartimento DIBRIS dell'Università degli Studi di Genova;

- Visto il Decreto Rettorale n. 3346 del 19/08/2025 con il quale è stata costituita la Commissione giudicatrice per il conferimento della suddetta borsa di ricerca;

- Visto il verbale della Commissione giudicatrice del concorso in parola, riunitasi in data 20/08/2025;

- Constatata la regolarità della procedura seguita;

DECRETA

Art. 1

Sono approvati gli atti del concorso di cui in premessa e la seguente graduatoria di merito:

1. Dott. Ahmed Younis Ahmed Mostafa punti 70/100

Sotto condizione dell'accertamento dei requisiti di cui al bando, è dichiarato vincore del concorso in parola il Dott. Ahmed Younis Ahmed Mostafa.
Genova,

LA PRORETTRICE VICARIA
(firmato digitalmente)

Responsabile del procedimento: Paola Pelle
Area Ricerca, Trasferimento Tecnologico e Terza Missione
Servizio Ricerca
Settore Ricerca Nazionale

Ahmed Younis

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ABOUT MYSELF

Telecommunications & IT Professional with **3 years of experience** in **5G/IoT systems, network performance optimization, and banking IT infrastructure**. Passionate about leveraging cutting-edge technologies—from **AI-driven network automation** to **CRM digital transformation**—to enhance operational efficiency and user experience.

EDUCATION AND TRAINING

23/09/2024 – CURRENT Genoa, Italy
MSC OF ENGINEERING TECHNOLOGY FOR STRATEGY AND SECURITY (STRATEGOS) University of Genova

Website https://unige.it/

London, United Kingdom
BSC OF ELECTRICAL TELECOMMUNICATIONS AND ELECTRONICS ENGINEERING Greenwich University UK

Website Www.gre.ac.uk

BACHELOR OF SCIENCE ELECTRICAL TELECOMMUNICATIONS AND ELECTRONICS ENGINEERING MSA University

Website https://msa.edu.eg/

WORK EXPERIENCE

HUAWEI

GNOC ENGINEER

- Monitored and maintained **global telecom networks (2G/3G/4G/5G, IP, and optical networks)** to ensure 99.9%+ uptime and SLA compliance.
- Performed **real-time troubleshooting** of network outages, latency issues, and routing failures using tools like **Wireshark, SolarWinds, and Huawei's U2000/NCE**.
- Coordinated with cross-functional teams and vendors to resolve critical incidents, minimizing downtime and service impact.
- Conducted **performance analysis and optimization** of core network elements (MME, SGW, PGW, eNodeB, gNodeB) to enhance QoS and user experience.
- Automated routine tasks using **Python or Shell scripting** to improve network monitoring and incident response efficiency.
- Prepared and presented **daily/weekly network health reports**, including KPIs, incident logs, and preventive maintenance recommendations.
- Assisted in the deployment and integration of **5G network infrastructure**, including core network functions (5GC) and RAN components.
- Followed ITIL best practices for **incident, problem, and change management** in a multi-vendor telecom environment.

VODAFONE

PERFORMANCE ENGINEER

- Conducted **end-to-end performance analysis** of 2G/3G/4G/5G and IP networks, identifying bottlenecks and optimizing KPIs (e.g., latency, throughput, packet loss).
- Developed **automated scripts (Python, SQL, or R)** to collect, process, and visualize network performance data, reducing manual reporting time by **30%+**.
- Designed and executed **drive tests (DT) and benchmarking** using tools like **TEMS, XCAL, or Accuver** to assess RF quality and handover success rates.
- Collaborated with RAN and core teams to **tune parameters** (e.g., handover thresholds, power settings) improving **call drop rates by 15%** and data speeds by **20%**.
- Modeled network capacity trends using **traffic forecasting tools (e.g., Infovista, Atoll)** to support 5G rollout planning and infrastructure upgrades.
- Led **root cause analysis (RCA)** for chronic performance issues, recommending hardware/software fixes that reduced customer complaints by **25%**.
- Created **real-time dashboards (Grafana, Tableau, or Power BI)** for executive-level visibility into network health and SLA compliance.
- Supported **VoLTE/VoNR and IoT (NB-IoT/Cat-M1) performance optimization**, ensuring QoS met industry standards.

NATIONAL BANK OF EMIRATIS IN EGYPT (NBE)

SYSTEM ADMIN

- **Administered and optimized** the bank's **CRM system** (e.g., Salesforce, Microsoft Dynamics, or Oracle CRM), ensuring high availability (99.9% uptime) for customer-facing operations.
- **Automated routine tasks** (data imports, report generation) using **PowerShell/Python scripts**, reducing manual workload by **40%**.
- **Troubleshot and resolved** CRM performance issues, database errors, and integration failures with core banking systems (T24, Finacle, or equivalent).
- **Managed user access, roles, and security policies** in compliance with **banking regulations (CBE, PCI-DSS)** to protect sensitive customer data.
- **Collaborated with business teams** to customize CRM workflows, dashboards, and reports, improving **customer service efficiency by 30%**.
- **Led CRM upgrades and patches**, minimizing downtime through phased deployments and stakeholder coordination.
- **Documented system configurations, SOPs, and disaster recovery plans** to ensure business continuity.
- **Trained 100+ end-users** (relationship managers, call center staff) on CRM best practices, boosting adoption rates.

HUAWEI

IOT, AI AND 5G TELECOMMUNICATION SYSTEMS ENGINEER INTERNSHIP

- Assisted in the design, testing, and optimization of **IoT devices and sensor networks** for data collection and automation.
- Researched and implemented **AI/ML models** for predictive maintenance, anomaly detection, and smart decision-making in IoT systems.
- Supported the development and testing of **5G network architectures**, including latency optimization and signal processing techniques.
- Conducted data analysis and visualization using tools like **Python, TensorFlow, or MATLAB** to improve system performance.
- Collaborated with engineers to troubleshoot and enhance **wireless communication protocols** (LoRaWAN, Zigbee, NB-IoT).
- Assisted in deploying **edge computing solutions** to reduce latency and improve real-time data processing in IoT networks.
- Documented technical findings, prepared reports, and presented insights to the team on emerging trends in **AI-driven telecom systems**.

LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s): **ENGLISH C1** | **GERMAN B1** | **ITALIAN A2**

SKILLS

Mobile Package | App Development : Flutter | Python | TEMS | Remedy | Autocad, Matlab | Huawei iMaster 2K, NCE, U2K,OWS | Cirtix, Winfoil | Homer PRO | Python (AI/ML, Automation, Data Analysis) | SQL (Database Queries, CRM Analytics) | PowerShell/Bash (System Admin Tasks, Automation) | R (Statistical Analysis, Network Forecasting) | JavaScript/HTML (CRM Customization, Dashboards) | 5G/4G/LTE Networks (Core, RAN, Optimization) | Protocols: TCP/IP, SIP, Diameter, MPLS, BGP, OSPF | NOC Tools: Huawei U2000/NCE, SolarWinds, Wireshark | Edge Computing: AWS IoT, Azure IoT, Kafka | AI/ML Frameworks: TensorFlow, PyTorch, Scikit-learn | OS/Cloud: Windows Server, Linux (RHEL/Ubuntu), AWS, Azure | Virtualization: VMware, Hyper-V, Docker | Data Visualization: Power BI, Tableau, Grafana | Log Analysis: Splunk, ELK Stack