

MOHAMED ANWER GUEMRI

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PROFESSIONAL SUMMARY

AI Engineering student with strong leadership experience in technical teams, specializing in machine learning, deep learning, and full-stack solutions. Experienced in building autonomous systems, automations, and multidisciplinary engineering projects focused on robotics and computer vision.

TECHNICAL SKILLS

Languages: Python, C++, SQL, JavaScript, LabVIEW, Bash
AI/ML: PyTorch, scikit-learn, Computer Vision, Deep Learning, Model Optimization
Web/Backend: React, Node.js, Express.js, MongoDB, n8n (Automation)
Tools/Platforms: Linux, Git, Docker, Robotics Systems
Soft Skills: Leadership, Technical Pitching, Team Management, Project Planning

KEY PROJECTS

Fully Autonomous Disaster & People Detection Drone | *Python, Computer Vision, DL, Linux*

- Engineered a fully autonomous drone system designed for real-time disaster assessment and human detection.
- Spearheaded the model pipeline including data collection, setup, training, and hyperparameter optimization.
- Implemented rigorous system security protocols and deployed the solution on edge Linux hardware.

Full-Stack Automation Architectures | *n8n, Node.js, React*

- Designed and deployed complex automation workflows integrating multiple APIs for business logic optimization.
- Developed custom full-stack web interfaces to monitor and control automation processes.

EXPERIENCE

Tech Lead 2023 – Present
Freelance Projects (Automation & Web) Remote

- Directing a technical team of 5 developers in building scalable web solutions and automation workflows.
- Managing full client lifecycle from requirement analysis and technical planning to final deployment.
- Optimizing development pipelines, resulting in faster delivery times and higher code quality.

Co-Founder & Aeronautics Branch Lead 2022 – 2024
HIDE Tech Club Tunis, Tunisia

- Supervised technical workshops and led multidisciplinary teams in aeronautics and robotics projects.
- Led the team to win **1st Place at Dronathon 2.0**, outperforming competing engineering clubs.
- Mentored junior members in flight dynamics, embedded systems, and project management.

EDUCATION

Higher Institute of Digital Engineering Tunis, Tunisia
AI Engineering Degree 2024 – 2029

Habib Maazoun High School Sfax, Tunisia
Mathematics Baccalaureate (Very Good Honors) 2020 – 2024

LANGUAGES & INTERESTS

Languages: Arabic (Native), English (Fluent), French (B2), Spanish (A2)
Interests: Robotics, Aeronautics, Problem-Solving, Competitive Coding