

# MOHAMED MEKADMINI

 Munich, Germany  Portfolio  mekadmini  mekadmini

## PROFILE STATEMENT

Dynamic and results-oriented Software Engineer specialized in CI/CD, DevOps, and backend systems. Skilled in automating workflows, improving deployment pipelines, and optimizing system reliability in Linux-based environments. Passionate about leveraging modern cloud technologies to deliver scalable software, while applying data science and machine learning principles to build smarter and more efficient solutions.

## EXPERIENCE

<b>Rohde &amp; Schwarz</b> <i>Software Engineer (Working Student)</i>	<b>Jun 2024 – Present</b> <i>Munich, Germany</i>
<ul style="list-style-type: none"><li>Automated 3GPP spec updates, reducing manual effort from one month to one week using GitLab CI/CD pipelines.</li><li>Provisioned build nodes with Ansible, reducing setup time from 2+ hours to fully automated configuration.</li><li>Migrated legacy Jenkins pipelines and hardware-dependent CI jobs to Docker-based GitLab runners.</li><li>Enhanced compliance pipelines with automated SBOM generation and publishing.</li><li>Developed Python tools for CI/CD automation and dependency management across 20+ repositories.</li></ul>	
<b>Ludwig Maximilian University of Munich</b> <i>Tutor — Programming &amp; Software Development</i>	<b>Oct 2021 – Apr 2024</b> <i>Munich, Germany</i>
<ul style="list-style-type: none"><li>Conducted Java and Haskell tutorials for up to 35 students, reinforcing software engineering concepts.</li><li>Supervised Python labs and assisted student teams with debugging and best practices.</li><li>Evaluated coursework, assisted in exam supervision, and provided personalized student support.</li></ul>	

## TECHNICAL SKILLS

- Programming:** Python, C++, Java, SQL, Haskell
- DevOps & Automation:** GitLab CI/CD, Docker, Jenkins migration, Ansible, Renovate
- ML/AI:** scikit-learn, TensorFlow, PyTorch
- Tools:** Git, LaTeX, Linux, MS Teams Workflows

## EDUCATION

<b>Ludwig Maximilian University of Munich</b> <i>Elite M.Sc. Data Science</i>	<b>Oct 2024 – Present</b> <i>Munich, Germany</i>
<ul style="list-style-type: none"><li>Current average: 1.15/1.0</li><li>Project: Web app transforming user sketches into AI-generated stories (GitHub)</li></ul>	
<b>Ludwig Maximilian University of Munich</b> <i>B.Sc. Computer Science + Mathematics</i>	<b>Oct 2020 – May 2024</b> <i>Munich, Germany</i>
<ul style="list-style-type: none"><li>Final average: 1.12/1.0</li><li>Bachelor's thesis: Conformal Prediction for Preference Learning (Uncertainty Quantification)</li></ul>	

## PROJECTS & CERTIFICATIONS

- Programming:** Python, C++, Java, SQL, Haskell
- DevOps & Automation:** GitLab CI/CD, Docker, Jenkins migration, Ansible, Renovate
- ML/AI:** scikit-learn, TensorFlow, PyTorch
- Tools:** Git, LaTeX, Linux, MS Teams Workflows

## LANGUAGES

- German (C1)
- English (C2)
- Arabic (Native)

## INTERESTS

- Machine Learning, Data Science, CI/CD Automation, Backend Systems
- Conformal Prediction, AI Alignment, Web Development
- Research, Programming, Automation