

Amine El Omari

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Professional Summary / Objective

A highly motivated Software Developer with robust Python expertise and a strong background in building scalable web applications and data-driven solutions. Passionate about designing innovative solutions, improving system performance, and leveraging advanced technologies. Proven track record in delivering projects on time with a focus on quality, efficiency, and user experience.

Education

CPGE (Classes Préparatoires aux Grandes Écoles) – Lycée Louis-le-Grand *
September 2018 – June 2020 * Focus: Intensive preparation in mathematics and physics with an emphasis on analytical problem solving and critical thinking. *
Achievements: * Ranked among the top 10% nationwide. * Participated in national-level academic competitions, securing awards in advanced mathematics and scientific analysis. * Completed specialized courses in advanced calculus, linear algebra, and theoretical physics.

Skills

Programming Languages: Python, JavaScript, Java, C++ **Python Libraries/Frameworks:** Django, Flask, NumPy, Pandas, Matplotlib, TensorFlow, PyTorch, scikit-learn **Databases:** MySQL, PostgreSQL, MongoDB **Cloud Platforms:** AWS, Google Cloud Platform, Azure **Version Control:** Git (GitHub, GitLab) **Additional Tools:** Docker, Kubernetes, CI/CD pipelines

Projects

- **E-commerce Web Application**

- Role: Lead Developer
- Technologies: Python, Django, PostgreSQL, JavaScript, HTML, CSS
- Details:
 - Designed and implemented a fully functional e-commerce platform integrating a secure payment gateway and comprehensive user management.
 - Achieved a 25% increase in online sales by optimizing the user experience and application performance.

- **Data Analysis Automation Tool**

- Role: Data Engineer/Developer
- Technologies: Python, Pandas, NumPy, Matplotlib, Flask
- Details:
 - Developed an automation pipeline for data ingestion, processing, and visualization, reducing manual effort and processing time by 40%.
 - Created a dynamic web dashboard for real-time data monitoring and reporting, greatly enhancing data-driven decision-making.

- **Machine Learning Model for Sales Forecasting**

- Role: Machine Learning Engineer
 - Technologies: Python, TensorFlow, scikit-learn, Pandas, Jupyter Notebook
 - Details:
 - Built and trained predictive models that achieved up to 92% accuracy in forecasting quarterly sales.
 - Presented findings in cross-functional team meetings, informing strategic decisions and business planning.
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Work Experience

- **Junior Software Developer**

- ABC Innovations, September 2020 – Present
- Lead backend development initiatives using Python to build robust, scalable applications.
- Collaborated with cross-functional teams to integrate third-party APIs and enhance system capabilities.
- Conducted code reviews and implemented best practices to maintain high standards of code quality and performance.

- **Software Developer Intern**

- XYZ Tech Solutions, June 2020 – August 2020
 - Assisted in the development of a customer relationship management system using Django.
 - Contributed to troubleshooting, testing, and iterative improvements in project development.
 - Gained hands-on experience in collaborative software development and agile methodologies.
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Certifications & Awards

- Certified Python Developer – Python Institute
- Innovator of the Year Award: Recognized for leading an impactful open-source project that enhanced business operations.
- National CPGE Competition: Awarded for outstanding performance in advanced mathematics and science disciplines.