Judah Sleibi

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SUMMARY

Driven AI enthusiast and automation engineer with a growing focus on Artificial intelligence, data analytics and insight generation. Currently completing a Master's in Artificial Intelligence, combining a solid engineering background with advanced skills in machine learning, data processing, and statistical analysis. Skilled in Python, SQL, and data visualization tools, with experience turning raw data into compelling stories that support business decision-making.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript. | **Libraries:** OpenCV, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Torch, Transformers. **Databases:** SQL, PostgreSQL | **Statistical Tools:** Minitab.

TECHNICAL PROJECTS

SparkVision AI Agent: Real-Time Child Digital Eye-Strain Detection

- Architected and implemented SparkVision AI Agent, a hybrid NLP and CNN-based system for real-time detection of digital eye strain in children—integrating rule-based diagnostic criteria with efficient search algorithms and achieving 98.82% validation accuracy to promote pediatric digital well-being.

Educator EdTech Usage

- Analyzed educators' knowledge and use of digital and AI tools in Arabic-speaking contexts using Python and statistical methods. Processed Arabic-language survey data, applied non-parametric tests (Mann-Whitney U, Kruskal-Wallis), and visualized trends across gender and experience levels to assess technology adoption in education.

Life Expectancy & Air Health Data Analysis | Link

- Analyzed global health data to explore the relationship between education, life expectancy, and disease prevalence using Python and statistical methods. Delivered key insights through data cleaning, visualization, and correlation analysis across 2,900+ records.

TMDB Movie Dataset Analysis| Link

- Performed exploratory analysis on 10,000+ TMDb movies to identify trends between attributes like budget, runtime, and revenue using Python, Pandas, and Seaborn. Cleaned and visualized data to uncover insights on financial success and runtime correlations.

Early prediction of kidney dysfunction in diabetes patients | Link

- Developed a machine learning pipeline to predict early-stage kidney dysfunction in diabetic patients using health indicators like Fasting Blood Sugar and Creatinine levels. Achieved up to 98% accuracy with Random Forest and KNN models after advanced preprocessing and gender-specific analysis.

EDUCATION

AI Practitioner Certificate | Amazon Web Services   2025

- Pursuing AWS Certified AI Practitioner credential, covering AI, ML, and generative AI fundamentals, AWS services, responsible AI practices, and real-world applications through guided learning and practice exams.

Data Analyst| Bootcamp at Spark x Udacity | Palestine   2025

- Pursuing an intensive data science scholarship focused on Python (NumPy, Pandas), data visualization (Matplotlib), and machine learning, with hands-on projects, expert mentorship, and career coaching.

Quality Assurance Engineer and software testing | Bootcamp at AXSOS Academy | Palestine   2025

- Completed a 16-week, 500-hour QA bootcamp, focusing on Manual Testing, Back-end Testing, Automation, Mobile Testing, and advanced automation techniques, hands-on project and team work dynamics.

Arabic American University | *Master, Artificial Intelligence* | Ramallah, Palestine.   2027
Birzeit University | *Bachelor, Mechatronics Engineering*| Birzeit, Palestine.   2024
Introduction to Machine learning | *40 hours training*| *Birzeit university, Palestine.*   2022

PROFESSIONAL EXPERIENCE

Mechatronics Engineer | Arts of Carved Stone- Founoun | Jerusalem Stone Group | 2023 - 2024

- Programmed, operated, and maintained CNC machines for packing and departure processing, ensuring high-quality production, efficient processes, and effective coordination with production teams and departments.

Quality assurance engineer | Pal-Swiss Tech Hubs | Ramallah   2025

- Experienced in manual and automated software testing, including writing and executing end-to-end test scripts using Cypress. Proficient in API testing with Postman, database validation with Table Plus, and functional QA processes to ensure software reliability and performance.