

Alessio Naji-Sepasgozar

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PROFESSIONAL SUMMARY:

Analytical, technical problem-solver with full-stack and data skills (SQL, Python, Power BI/Excel) and a track record of improving outcomes with measurable results. Experienced turning messy data into clear insights, dashboards, and predictive models to support faster, data-driven decisions across operations, products, and business teams.

TECHNICAL SKILLS:

- **ML & Data Science:** Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, TensorFlow, Keras, PyTorch, Natural Language Processing (NLP), Transformers, Exploratory Data Analysis, Statistical Modeling
- **Databases:** Relational Databases, PostgreSQL, MySQL, MongoDB, SQLite
- **Tools:** Power BI, Tableau, Advanced Microsoft Excel, Shell Scripting, Prompt Engineering
- **Programming Languages:** C++, Python, Java, C#, SQL, GO, R, JavaScript, TypeScript, HTML, CSS
- **Frameworks:** Django, Flask, .NET, Spring Boot, React, Angular, Node.js, Bootstrap, FastAPI
- **DevOps & Cloud:** Terraform, Linux, AWS, Azure, Kubernetes (K8s), CI/CD, Version Control (Git), Docker
- **Concepts:** Microservices, RESTful API Development, JWT & OAuth2 Authorization, SDLC, Agile, Unit Testing
- **Certifications:** AI & LLM Certification, Azure Fundamentals, AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE:

Allied Welding Systems, Dallas, TX — Data Science Intern — July 2025–Present

- **Implements** Power BI dashboards for quote-to-ship lifecycle: win rate, turnaround time, lead time, and on-time delivery; improving visibility and reducing delays by 29%.
- **Analyzes** field performance by wear material and recommends standard selections that lower total cost-of-ownership by 17%.
- **Engineered** a lightweight forecasting and replenishment model for high-run parts to reduce stockouts and expedite costs by 22%
- **Integrated** data from ERP/CRM and Excel exports into a cleaned reporting model (SQL/Power Query), improving KPI accuracy, and eliminating manual reconciliation.

Leader of Supplemental Instruction, University of Houston–Downtown — Fall 2022–Present

- **Facilitates** peer-learning sessions for computer-science courses, boosting student retention and comprehension rates.
- **Collaborates** with faculty to develop lesson plans and provide academic support for 30 students per session.

TradeMind — Full-Stack Engineer — Java, Spring Boot, Docker, Kubernetes, REST API, AWS

- **Designed** a microservices-based portfolio management platform using Spring Boot, Docker, and Kubernetes.
- **Created** RESTful API endpoints for real-time transaction updates and deployed services on AWS to ensure scalability and reliability.
- **Incorporated** automated CI/CD pipelines using GitHub Actions and Kubernetes deployments.

DebateAI — AI Developer & Full-Stack Engineer — React, Python, FastAPI, LangChain, XTTS

- **Built** an interactive AI debate simulator with React, FastAPI, and LangChain, enabling users to engage with historical and contemporary personas.
- **Developed** a modular backend with FastAPI and voice synthesis to generate character speech and implemented retrieval-augmented generation (RAG) for context-aware responses.
- **Utilized** knowledge grounding and automated transcript summarization to enhance user experience.

UNKNOWNBALL — Machine-Learning Engineer — Python, Scikit-learn, TensorFlow, Pandas, NumPy

- **Trained** predictive models using Scikit-learn and TensorFlow to forecast NBA outcomes with 72% accuracy.
- **Orchestrated** rolling-window features from historical game statistics and performed hyperparameter tuning
- **Deployed** an end-to-end data pipeline in Pandas/NumPy to clean raw stats, handle missing values/outliers, normalize features, and generate training sequences for time-dependent prediction tasks.

EDUCATION:

University of Houston – Downtown, Houston, TX

Bachelor of Science in Computer Science, Summa Cum Laude — May 2025

GPA: 3.83 (*Cumulative*), 4.0 (*Major*)