

Ahmed Saqer

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EDUCATION

Rutgers University , New Brunswick

Sep 2020- May 2024

Bachelors of Arts in Computer Science

GPA: 3.28

Relevant coursework: Data Structures, Computer Architecture, Intro to Artificial Intelligence, Software Methodology, Intro to Data Science, Discrete Mathematics, Linear Optimization, Mathematical Theory Of Probability,

Rutgers University , New Brunswick

Sep 2020- May 2024

Bachelors of Arts in Economics

GPA: 3.28

Relevant coursework: Econometrics, Intermediate Macroeconomics, Intermediate Microeconomics, International Economics, Economic Forecasting and Big Data, Financial Economics, Advanced Time Series

SKILLS

Programming & Languages: Python, Java, R, SQL, C, JavaScript, HTML, CSS

Frameworks & Libraries: React, Node.js, NumPy, Pandas, Matplotlib, Seaborn

Databases & Tools: Git, GitLab, Bitbucket, Jira, Jupyter Notebook, Excel, PgAdmin, R Studio, Stata

Analysis & Modeling: Data Modeling, Statistical Modeling, Economic Forecasting, Risk Management, Probability, Advanced Statistics

Systems & Project Skills: SDLC, Project Management, Machine Learning, AI Algorithms, Object-Oriented Programming

PROFESSIONAL EXPERIENCE

siParadigm Diagnostic Informatics

Jun 2025-Present

System Analyst

- Coordinated the creation of an AI-powered development ecosystem, integrating Cursor and Windsurf tools to streamline workflows and increase productivity by more than 100% for MVP creation.
- Deployed standardized three SRS, URD, and BRD templates for new AI-driven Agile/Scrum frameworks; improving stakeholder alignment for over 15 stakeholders within the Jira platform.
- Engineered React code for Client Portal using Windsurf, spearheading a significant platform revamp that boosted UI/UX usability scores 20% and slashed E-requisition processing time by over 3 hours weekly.
- Spearheaded the creation and business analysis of the company's new KPI portal visualizing 5 critical indicators and transmuting sheet data to web application lowering KPI report generation by over 20%.

Intelligent Applications (IntelApps) - Remote

Jan 2025-Mar 2025

Product QA Analyst Intern

- Collaborated with global stakeholders to develop over 40 detailed test cases for enterprise invoicing system, utilizing Excel to track defects and improve software quality assurance processes.
- Executed performance benchmarking across application layers for pharmaceutical distribution systems, decreasing processing time by 15% and improving overall system efficiency.
- Conducted thorough QA analysis on the student application platform, leveraging test cases that improved application performance by over 5% and reduced critical bugs pre-release by over 5%.

PROJECTS

Bitcoin Quantitative Machine Learning

- Leveraged Random Forest Regression and Seaborn libraries to produce impactful data visualizations from Bitcoin data, identifying three key factors influencing volatility and macroeconomic policy based on treasury yields.
- Produced data visualizations using Python Matplotlib, Seaborn libraries, and Python programming, generating statistical indicators including R-squared error of 0.96 and successful back-testing.
- Integrated financial data into a SQL database using SQLAlchemy, optimized query performance, and reduced average data retrieval time by 30%, enhancing efficiency for downstream data analysis tasks.

Tax Lien Data Scraping

- Developed a data scraping tool in Python from website HTML for property record and tax lien information, extracting sale information across all 21 New Jersey counties.
- Applied LXML for data parsing to extract and process HTML table information, generating readable outputs that provided insights into housing sales totaling over \$800,000.

Certificates

Software Development:

- Udemy Coursework in AI-Driven Software Development & Testing.

Project Management:

- Google Foundations of Project Management.