ATRIN SHAHROUDI

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WORK EXPERIENCE

Software Engineer   Remote
Resilient Entanglement   Sep 2023 - Present

- Developed a Python and PuLP model to optimize energy routing, achieving a 25% increase in cost efficiency.
- Constructed a constraint-based linear programming model in Python using PuLP, optimizing energy logistics.
- Built a Flask-based app to optimize decision-making in energy management, increasing operational efficiency.

Research Analyst   Dallas,TX
Verizon   Jan 2022 - Aug

- Formulated a comprehensive onboarding guide for new engineers, including step-by-step instructions, videos, and resources, enhancing efficiency and reducing onboarding time by 30%.
- Implemented a feedback mechanism within the onboarding guide, allowing new hires to contribute improvements, resulting in a 20% increase in overall process satisfaction.
- Engineered a Python script to automatically launch onboarding applications at startup, enhancing accessibility and easing the transition for new hires.

Python Engineer   Remote
University of Denver   Jan 2021 - May 2021

- Crafted a Python script to automate complex Excel calculations, reducing manual effort and boosting data processing efficiency by 40%
- Architected a Python script with OpenPyXL to automate Excel calculations and developed a Tkinter UI, reducing manual effort and boosting data processing efficiency by 40%
- Conducted comprehensive data analysis using Python, identifying key trends and actionable insights that improved project outcomes and informed strategic decisions.

Web Developer   Garland, TX
Texas Five Star Paint and Body   Jan 2024 - Aug 2024

- Crafted a visually compelling and intuitive website interface, enhancing user engagement and overall site aesthetics.
- Developed a fully responsive design, ensuring a seamless and consistent user experience across all devices.
- Executed meticulous front-end optimizations, improving website performance and load times for an enhanced user experience.

CERTIFICATION

Data Analytics Certification   Google
Acquired proficiency in data analysis and management, utilizing SQL and spreadsheet software to support business analysis and communication efforts.   May, 2024

SKILLS

Programming Skills:	PYTHON, HTML, JAVASCRIPT, CSS, GITHUB
Technical Skills:	Microsoft Office, Computer Operations, Artificial Intelligence

EDUCATION

Collin College   McKinney, TX
AS Computer Science   August, 2023 - May, 2025