

Amira Patel

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SUMMARY

Detail-oriented Actuarial Analyst with over 4 years of experience in risk assessment and data analysis. Proven track record of utilizing advanced statistical methods to drive key business decisions and optimize financial performance.

EXPERIENCE

Actuarial Analyst

Jan 2022 - Present

XYZ Insurance Group, Chicago, IL

- Developed pricing models that improved product profitability by 15%, resulting in an additional \$1.2 million in annual revenue.
- Collaborated with underwriting and finance teams to reduce claim prediction errors by 20% through enhanced data analytics.
- Utilized R and Python to automate data processing workflows, saving 30 hours of manual work per month.

Junior Actuarial Analyst

Jun 2018 - Dec 2021

ABC Actuarial Services, New York, NY

- Assisted in the development of reserve calculations that ensured compliance with regulatory standards, resulting in a 10% decrease in audit findings.
- Conducted statistical analyses using SAS to assess loss trends and inform pricing strategies, directly contributing to a 5% decrease in loss ratios.
- Prepared quarterly reports for stakeholders that highlighted actuarial assumptions, fostering improved decision-making processes.

Intern - Actuarial Department

Jan 2018 - May 2018

DEF Financial Solutions, Boston, MA

- Supported senior actuaries in data validation and preparation for model development, increasing efficiency by 15%.
- Participated in the analysis of policyholder data to identify trends and insights that led to a 7% enhancement in customer retention rates.

EDUCATION

Bachelor of Science in Actuarial Science

May 2018

University of Illinois, Champaign, IL • GPA: 3.7

SKILLS

Technical Skills: Statistical Analysis, Risk Assessment, Data Modeling, Predictive Analytics

Tools & Frameworks: R, Python, SAS, Excel