

KHUSHI PATIL

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EDUCATION

State University of New York at Plattsburgh, School of Arts and Sciences

Plattsburgh, New York

- Bachelor of Science in Mathematics
- Coursework : Advanced Calculus, Complex Analysis, Statistics and Probability, Differential Equations, Theory of Computation, Design and Analysis of Algorithms, Principles of Finance, Financial Accounting, Managerial Accounting, Principles of Economics, Business Ethics and Professionalism, Business Applications and Information Systems, US National Politics, Introduction to Law, Introduction to Psychology, Acting for Everyone.

08/2021 - 05/2025

ACHIEVEMENTS

Awards : Dean's List Spring 2022, Dean's List Fall 2024, Mathematics Scholars Award.

Leadership : Admissions Ambassador (Admissions Office), Peer Mentor (Accessibility Resources Office), Senator (Student Association), Co-Vice Chair (Student Affairs and Diversity Board), Student Representative (Plattsburgh College Foundation).

SKILLS & CERTIFICATIONS

Technical Skills: MS Azure, SQL, Python, Power BI, Power Query, VBA, MS Access, MS Excel, QuickBooks, CRM and PMS, Prompt Engineering.

Certifications: Microsoft Certified: Azure Data Fundamentals, Microsoft Office Specialist: Excel Associate (Microsoft 365 Apps), Career Essentials in Data Analytics (Microsoft & LinkedIn Learning), Google AI Essentials.

EXPERIENCE

Mphasis

New York, New York

Actuarial Intern

05/2023 - 07/2023

- Programmed Excel VBA macros to automate data cleaning and validation, reducing reporting latency by 15%.
- Collaborated with cross-functional teams in a remote environment to analyze insurance operations and deliver 100% of project milestones.
- Conducted risk assessment and quantitative analysis of historical claims data to model exposure and identify key financial risk drivers.
- Studied annuity product fundamentals and valuation concepts during actuarial training, strengthening technical foundation in insurance risk and pricing analysis.
- Completed corporate actuarial training in insurance fundamentals, risk assessment, and actuarial concepts, gaining insight into how technology supports actuarial analysis.

Fairfield by Marriott

Plattsburgh, New York

Accounting Associate

08/2025 - Present

- Improved sales reporting workflows by streamlining financial reporting processes, reducing processing time by 10–15 hours per week while increasing reporting accuracy.
- Prepared, reconciled, and validated financial data for 150+ weekly transactions, supporting accurate financial statements, bookkeeping activities, and management reporting.
- Performed daily reconciliations of high-volume cash, revenue, and payment records, identifying and resolving discrepancies to maintain 100% data integrity and strengthen internal controls.
- Utilized Property Management Systems (PMS) and CRM tools to manage guest accounts, tax exemptions and group sales, process billing transactions, and coordinate with front office and operations teams to ensure accurate financial records and a high-quality customer experience.
- Monitored inventory usage and collaborated with operational departments to maintain accurate inventory records, support purchasing decisions, and minimize reporting discrepancies.
- Assisted with internal financial reviews and cross-functional process improvements, strengthening compliance, enhancing reporting accuracy, and reducing operational risk.

PROJECTS

Annuity Valuation Model

August 2026

- Built a dynamic Excel model calculating present and future value of fixed annuities using time-value-of-money formulas, applying finance principles and annuity concepts from actuarial internship training.
- Structured all calculations as linked, auto-recalculating formulas across payment amount, interest rate, compounding frequency, and term, allowing instant scenario changes without manual rework.
- Validated model outputs against manually computed benchmarks to confirm formula accuracy.

AIG Underwriting Job Simulation | Forage

August 2026

- Assessed a prospective client's financials and claims history to evaluate risk and support pricing decisions.
- Researched AIG's business lines and market position to build a client-facing coverage presentation.
- Utilized both quantitative and qualitative methods for risk assessment in a healthcare context and created policy summaries and presentations to effectively convey product strengths to clients.
- Audited and corrected pricing formula errors in an Excel-based rating tool, aligning exposures with underwriting guidelines to deliver an accurate policy quote.