# Prerna Singhal

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Experienced Associate Actuary with 3+ years in P&C insurance, skilled in pricing, data analysis, reporting, and modeling. Currently pursuing an MS in Information Systems from the University of Washington. Seeking a challenging actuarial position that integrates both actuarial science and analytics, aligning with the evolving demands of the insurance industry.

## EXPERIENCE

**Chubb: A Top 10 P&C Insurer**                                      February 2021 – April 2024

**Pricing Actuarial Analyst**                                          April 2022 – April 2024
- Casualty Insurance pricing (UKI region) – Priced Employer's liability, General liability & Motor lines using experience analysis
- Actual v/s Expected analysis (UKI region) – Analyzed actual experience to make appropriate adjustments while pricing
- BOP Rater validation (NA region) – Ensured all possible scenarios are being validated in the updated rater for property policies
- SAS to R (NA region) – Converted SAS price monitoring report script into R
- Price Monitoring Report (NA region) – Found rate changes and aggregated them using exhibits like region, sector, LoB, etc
- Bind ratio report (NA region) – Presented the trends seen in the no. of quotes bound v/s total quoted based on region, industry, LoB
- SCI BOP Modeling for Hurricane peril (NA region) – Collaborated with a team to develop a rating algorithm to price Hurricane peril for Small Commercial Property business through deconstructing current CAT model along with actual claims experience analysis
- Part of the Diversity, Equity and Inclusions committee – Helped address issues related to gender diversity & equity

**Senior Actuarial Associate**                                        February 2021 – March 2022
- Casualty Insurance pricing (UKI region) – Priced Employer's liability, General liability & Motor lines right away after joining as a fresher & was independently pricing after 2 months of joining
- Trainer at Knowledge Committee – Enhanced team's basic Actuarial knowledge through engaging sessions
- Additional Activities – Contributed articles to the Chubb magazine and delivered pricing presentations to senior stakeholders
- Platinum Award winner – For demonstrating excellent presentation skills, rapid learning capabilities & producing high-quality work

**Pramerica Life Insurance | Intern**                                 December 2020 – January 2021

## SKILLS

**Programming** (basic-intermediate)**:**    Python, SQL, R, ResQ, QGIS, @Risk

**Tools** (advance)**:**   MS Suite (MS Excel, MS PowerPoint, MS Word)

## CERTIFICATIONS

**AIA:** Associate of Institute of Actuaries (IFoA, UK)

## EDUCATION

**MS in Information Systems | University of Washington**                 June 2024 - June 2025
Data analysis, Operations & Management, Decision Models, Cybersecurity, Databases, Marketing, Leadership, ML, AI

**Actuarial Exams | CAS**                                                      October 2024
Exemptions – EXAM 1, 2, 3F, M1, VE, VF

**Actuarial Exams | IFoA**                                             April 2018 – April 2022
Cleared 12/13 exams

**International Master's in Applied Actuarial Science | University of Kent**    September 2018 – November 2020
Probability, Statistics, Stochastic, Time series, Business Economics, Life insurance, Derivatives, Risk Management, Financial Modeling

**Bachelors of Science Mathematics Honors | University of Delhi**         June 2015 – June 2018
Calculus, Algebra, Differential Equations, Numerical Methods, Real Analysis, Probability & Statistics, Game Theory

## PROJECTS

**Presentation – Emerging Technology: Digital Twin for Cars**                  November 2024

**Presentation – Cybersecurity in Smart Apartment Buildings**                  November 2024

**Predictive modelling (Python) – EV Charging Insights**                       November 2024

**Presentation – Space Insurance**                                                 June 2020

**Statistical Analysis (R programming) – How University Education impact wages**    December 2019