

Ravindra Siwach

Project Manager, Senior Actuary, **Data Scientist**

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ravindra-siwach

ravindrasiwach

Technical Skills -

Project Management

Agile Scrum Kanban

Stakeholder management

Strategic planning and organisation

Acturial Analytics & Software

Technical & Market Pricing

Leakage (TP/AP) X-Subsidy

Lapse & Retention Analysis

Competitive Benchmarking

Profitability Analysis Telematics

Credibility Modelling Optimization

Reserving Reinsurance IFRS17

SolvencyII **Emblem** Classifier

Radar Akur8 Res₀

Data Science

Docker

Machine Learning Web Apps Dashboarding Python ETL/ELT SQL SAS PowerBI

MLOps

DevOps

Highlights

- Proven leader experienced in managing culturally diverse interdisciplinary teams.
- Effective communication, networking and stakeholder management skills.
- Deep knowledge and experience across personal, commercial and specialty lines.
- Actuarial pricing and data science specialist.

Professional Experience

Sr. Actuarial Data Scientist, Great Lakes

Munich RE

Oct 2022 - Present

Munich, Germany

- Develop data science capability for Great Lakes including data models and strategy for collecting and utilizing data from various internal and external
- Single risk/case pricing and act as data steward for Single Risk business.
- Represent Great Lakes in data related workstreams for transformation projects.
- Develop Pricing, Portfolio monitoring and Competitive benchmarking frameworks to maintain oversight and improve profitability and market share.
- Provide Day1 pricing strategy and product support in absence of historic data for Insurtech/MGA partners to successfully launch SME products in new markets.
- Perform M&A due diligence including review and validation of rates, reserves, underwriting policies and financial projections.
- Support financial planning process for group entities/portfolios.

Project Manager and Senior Actuary

Axa Cologne, Germany

Oct 2018 - Sep 2022

- Led interdisciplinary teams of actuaries and data scientists for transformation of P&C pricing and analytics landscape, migrating from legacy systems (SAS, WTW) to cloud (AWS) and implementing Python-based ML models.

- Led pricing and analytics projects for improved pricing and portfolio management.
- Engineered test-driven ETL and ML pipelines to improve accuracy and efficiency.
- Trained actuaries on Python and git to improve collaboration and technical skills.
- Developed Python data tool with reinsurance team for accurate IFRS17 reporting.

Senior Consultant Deloitte

Apr 2018 - Sep 2018

Cologne, Germany

- Led technical development of initial P&C pricing offering.
- Supported IFRS17 implementation for client through edge cases research.
- Developed R tool to analyze and validate actuarial reserves.

Senior Actuary and Data Scientist

Generali

Sep 2013 – Mar 2018

Trieste, Italy & Munich, Germany

- Implemented peril based pricing for P&C products as lead actuary.
- Supported development of company's first telematics cars insurance product in
- Implemented SME underwriting control model to identify guideline deviations.
- Designed portfolio monitoring framework in Radar to streamline reporting.
- Trained and mentored actuaries on Emblem, Classifier, Radar, SAS and R.
- Developed technical price and portfolio monitoring blueprint for streamlined processes and best practice sharing amongst group entities.
- Liaised with business units to identify training and project requirements.
- Developed VBA/Excel tool to monitor performance of group entities in Europe.
- Reviewed and validated group entities' projections and plans.

Market Research and Business Development Analyst

Evalueserve Gurugram, India

Feb 2007 - Jul 2009

- Managed/conducted market research analytics & business development projects.

Senior Business Associate

Vertex

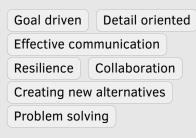
Oct 2004 - Feb 2007

Gurugram, India

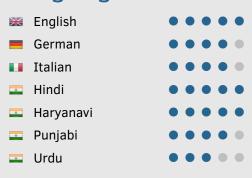
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Soft Skills



Languages



Interests

Puzzles Modern Tech Basketball Languages, Dialects and Accents Cooking Backpacking

Education

Master in Insurance & Risk Management 2013 - 2014

- Graduated with Honours. Grade: 8.89/10.

Institute and Faculty of Actuaries

MIB School of Management

Trieste, Italy

Actuarial Exams

2011 - 2012 - CT1, 2, 3 and 7

Actuarial Exam

Society of Actuaries

2009

- Exam P - Probability, Grade 9/10

Trainings and Coursework

- Agile project management using Scrum and Kanban
- Deloitte University IFRS17 bootcamp
- SAS institute training for IFRS17 software
- Process mining with Celonis Training and Hackathon
- Willis Towers Watson pricing suite
- Health Insurance Product, Pricing and Reserving
- Online courses on Programming in R, Python and Julia as well as on Machine Learning, Data Science and Data Engineering topics.

Volunteering

Caritas Cologne, Germany

- Assisting immigrant children with English and Maths schoolwork and providing exam preparation support.

Awards & Achievements

2008 - Employee Performance Award at Evalueserve.

2002 - Top 0.1% scorers in India in Social Studies (98%) and Science (99%)

2001 - School top scorer at National Mathematics Talent Competitions.

2001 - Member of school and state Basketball teams.