

Edinburgh, UK — usamanadeem@live.com — +44 7723 916394 —
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Postdoctoral Researcher University of Edinburgh (Professor Tadahiro Oh's Group)

11/23 *Mini-Workshop: Combinatorial and Algebraic Structures in Rough Analysis and Related Fields*, Oberwolfach Research Institute for Mathematics.

10/23 Short stay at Institut Élie Cartan de Lorraine in Nancy, France. Invited by Yvain Bruned.

05/23 *PDEs and Randomness* summer school at MPI MiS in Leipzig, Germany. Attended online due to visa problems.

03/22 Short stay at the Max Planck Institute for Mathematics in the Sciences (MPI MiS) in Leipzig, Germany. Invited by Felix Otto.

CONFERENCES

06/23 11th International Conference on Stochastic Analysis and its Applications (ICSAA), ICMS, UK.

09/22 Geometry, Sochastics, and Dynamics, Imperial College London, UK.

06/22 Harmonic Analysis, Stochastics and PDEs, ICMS, UK.

11/21 Higher Structures Emerging from Renormalisation, ESI, Austria.

SKILLS

Programming C++, Python, R, MATLAB, and L^AT_EX.

IT Proficiency Excel, Word, Powerpoint, and Access.

Languages English (Fluent), Punjabi (Native), Urdu (Native), Hindi (Fluent), Persian/Dari (Beginner).

WORK EXPERIENCE

08/22 *Maching Learning Consultant* at Legal Utopia. Lead research on Deep Learning techniques for evaluating legal claims.

04/22 *Technical Consultant* at Smart Data Foundry. Led research into ML solutions to problems of Web Scouring, generating executive summaries, and populating predetermined lists.

12/19 - 05/20 *Actuarial Analyst* at Nauman Associates. Led research into ML methods for Credit Risk Modelling in the context of IFRS-9.

TEACHING EXPERIENCE

23-24 Tutoring for *Introduction to Linear Algebra* (UG)
Tutoring for *Introduction to Data Science* (UG)
Tutoring for *Stochastic Modelling (OR)* (PG)

22-23 Tutoring for *Introduction to Linear Algebra* (UG)
Tutoring for *Introduction to Data Science* (UG)
Tutoring for *Stochastic Modelling (OR)* (PG)
Tutoring for *Discrete Time Finance* (PG)
Tutoring for *Financial Mathematics* (UG)
Tutoring for *Calculus and its Application* (UG)
Tutoring for *Proofs and Problem Solving* (UG)

21-22 Tutoring for *Probability, Measure, and Finance* (UG)
Tutoring for *Stochastic Modelling* (UG)
Tutoring for *Discrete Time Finance* (PG)
Tutoring for *Linear Analysis* (UG)
Tutoring for *Calculus and its Application* (UG)
Tutoring for *Metric Spaces* (UG)

20-21 Tutoring for *Financial Mathematics* (UG)
Tutoring for *Risk Neutral Asset Valuation* (PG).