Dr Aditi Shenvi

✉ aditi.shenvi@gmail.com | ⊕ ashenvi10.github.io | ⓞ github.com/ashenvi10 | ☎ 07397 516450

EXPERIENCE

University of Warwick   Sept. 2021 – Present
Postdoctoral Research Fellow, Applied Statistics & Risk Unit (AS&RU)   Coventry, UK

University of Warwick   Oct. 2017 – Present
Teaching Assistant   Coventry, UK

- **Statistics:** Professional Practice of Data Analysis (3rd yr UG); Bayesian Statistics & Decision Theory (3rd yr UG, MSc), Stochastic Processes (2nd yr UG); Mathematical Statistics (2nd yr UG); Probability Part A (1st yr UG).
- **Mathematics:** Supervision of 1st yr Mathematics & Statistics UG students.
- **Business school:** Quantitative Analysis I & II (1st yr UG); Business Statistics (1st yr UG), Business Analytics (1st yr UG); R support for Analytics in Practice (MSc) & Big Data Analytics (MSc).

EDUCATION

University of Warwick   Sept. 2017 – May 2021
PhD, Mathematics for Real-World Systems CDT   Coventry, UK

- **Thesis**: Non-Stratified Chain Event Graphs: Dynamic Variants, Inference and Applications
- **Supervisor**: Prof Jim Q. Smith

University of Warwick   Oct. 2016 – Sept. 2017
MSc (Merit), Interdisciplinary Mathematics   Coventry, UK

- **Dissertation**: Indicators of Elimination in Simplified Epidemiology Models
- **Supervisor**: Dr Louise Dyson

University of Mumbai   Jun. 2012 – Aug. 2015
BA (Distinction), Pure Mathematics with Minors in Statistics & Economics   Mumbai, India

FUNDING & AWARDS

- LMS Early Career Fellowship; £7,000 (Awarded but not accepted due to AS&RU Research Fellow offer)
- EPSRC Mathematical Sciences Research Associate Award; £31,406 (Awarded but not accepted due to AS&RU Research Fellow offer)
- Warwick Chancellor's International 3.5 yr PhD Scholarship (including tuition and maintenance)
- PhD Enrichment placement award to work at the Alan Turing Institute, London for 6 months

PUBLICATIONS

- **Shenvi A**, Smith JQ. (2020) "Constructing a Chain Event Graph from a Staged Tree." Proceedings of the Tenth International Conference on Probabilistic Graphical Models.
- **Shenvi A**, Smith JQ, Walton R, Eldridge S. (2019) "Modelling with Non-Stratified Chain Event Graphs." Proceedings of the International Conference on Bayesian Statistics in Action.
- Edwards EA, Caton H, . . . , **Shenvi A**, . . . , Walton RT. (2018) "Creating a Theoretically Grounded, Gamified Health App: Lessons From Developing the Cigbreak Smoking Cessation Mobile Phone Game." JMIR serious games.

SKILLS

Programming: Advanced: Python, R; Intermediate: MATLAB, Mathematica; Beginner: GPU computing
Tools: LaTeX, Git, Stan, Inkscape, Tableau, Microsoft Office
Languages: Fluent: English, Konkani; Advanced: Marathi, Hindi; Basic: French

CONFERENCES

- Co-organiser and talk "Continuous Time Dynamic Chain Event Graphs" at Reasoning with asymmetric and context-specific graphs, Baylor University (Virtual), Jul 2021.
- Contributed talk "Constructing a Chain Event Graph from a Staged Tree" at Probabilistic Graphical Models, University of Aalborg (Virtual), Sep 2020.
- Contributed talk "A Bayesian integrated decision support model of criminal collaboration" at Young Statisticians' Meeting, University of Manchester (Virtual), Jul 2020.
- Poster "A dynamic Bayesian model for recurrent events in public health" at Defence & security international delegates visit, the Alan Turing Institute, May 2019.
- Contributed talk "Maximum satisfiability encoding of Chain Event Graphs" at Workshop on Probabilistic Reasoning using Chain Event Graphs, University of Glasgow, Feb 2019.
- Poster "Chain Event Graphs for modelling public health interventions" at Clinical Science & Engineering for Digital Health Workshop, Aston University, Aug 2018.
- Poster "Reduced dynamic Chain Event Graphs", Young Statisticians' Meeting, University of Oxford, Jul 2018.
- Poster "Modelling falls in the elderly: Chain Event Graphs for public health interventions", Bayesian Young Statisticians Meeting (BAYSM), University of Warwick, Jul 2018.

VOLUNTEERING & OUTREACH

- Volunteer at the Science Gala, University of Warwick, Jan 2019.
- Volunteer at the Big Bang Fair, Birmingham, Mar 2018.
- Demonstrator for the Institute of Mathematics & its Applications stand, Birmingham, Mar 2017.
- Project Leader of the Dogs Trust Project, University of Warwick, 2017-18.
- Virtual Mathematics Tutor, Pax Populi Academy, 2016-17.
- Volunteer at Warwick Inspire, University of Warwick, 2016-17.
- Teaching volunteer at the Akanksha Foundation, India, 2015-16.

STUDY GROUPS & SUMMER SCHOOLS

- Oxford Machine Learning Summer School, Aug 2020.
- Introduction to Deep Neural Networks, and Working with Convolutional Neural Networks workshop at the Alan Turing Institute, Feb 2020.
- Research Software Engineering course at the Alan Turing Institute, Nov 2019.
- The Alan Turing Institute Data Study Group, Dec 2018. Project: PlayerLens – Understanding career paths that deliver success for professional football players and clubs. (Report: http://doi.org/10.5281/zenodo.3558253.)
- Introduction to GPU Programming Summer School, University of Warwick, Jul 2018.