

Padmanaba Srinivasan

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in padmanaba-srinivasan

🌐 padmanabasrinivasan.github.io

Experience

- Mar. 2025 – Present 📌 **Research Scientist @ Meta** Applied ML Research
- Jan. 2021 – Oct. 2021 📌 **Researcher (intern) @ Infosys** Computer vision, imitation learning, and reinforcement learning
- Apr. 2019 – Sept. 2019 📌 **Software Engineer (intern) @ Credit Suisse** NLP & Chatbots
- Jun. 2018 – Sept. 2018 📌 **Software Engineer (intern) @ GCHQ** Cybersecurity & Communications

Education

- 2020 – 2025 📌 **PhD, Imperial College London** Computing (Machine Learning)
Thesis title: *Offline Reinforcement Learning: In Pursuit of Perfect Policies from Imperfect Data*
Advisor: William J. Knottenbelt
- 2016 – 2020 📌 **MEng, Imperial College London** Electronic and Information Engineering
First-class honours
Thesis title: *Machine Learning for the Analysis and Prediction of Film Performance*

Awards

- 2023 📌 **Finalist, Sloan Sports Analytics Conference Research Paper Competition**, Research Paper selected as finalist, oral presentation.
- 2020 📌 **Winner, Citadel European Datathon**, Developed methodology to identify gentrifying areas in NYC.
- 📌 **Distinguished Project Award**, Awarded by Imperial's Department of Computing for MEng thesis.

Publications (select)

- 1 P. Srinivasan and W. Knottenbelt, "Behaviour Preference Regression for Offline Reinforcement Learning," in *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 39, 2025, pp. 20 575–20 583.
- 2 P. Srinivasan and W. Knottenbelt, "Offline Model-Based Reinforcement Learning with Anti-Exploration," in *Proceedings of the 27th European Conference on Artificial Intelligence*, 2024.
- 3 P. Srinivasan and W. Knottenbelt, "Offline Reinforcement Learning with Behavioral Supervisor Tuning," in *Proceedings of the Thirty-Third International Joint Conference on Artificial Intelligence, IJCAI-24*, International Joint Conferences on Artificial Intelligence Organization, Aug. 2024, pp. 4929–4937. [DOI: 10.24963/ijcai.2024/545](https://doi.org/10.24963/ijcai.2024/545).
- 4 P. Srinivasan and W. J. Knottenbelt, "SpOiLer: Offline Reinforcement Learning using Scaled Penalties," in *6th Annual Learning for Dynamics & Control Conference*, PMLR, 2024, pp. 825–838, ISBN: 2640-3498.
- 5 P. Srinivasan, R. Subramanian, and W. J. Knottenbelt, "Thinking the GOAT: Imitating Tennis Styles," in *Proceedings of the 17th Annual MIT Sloan Sports Analytics Conference*, 2023.
- 6 P. Srinivasan, A. Agrawal, and W. J. Knottenbelt, "The Path to GOAT-ness: Classifying Tennis Strokes," in *Proceedings of the MathSport International Conference 2022*, 2022.