www.ShravanGoswami.com

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WORK EXPERIENCE

Research Assistant — University of Cambridge (Remote)   May '24 — Currently Working
(Mentored by Professor Hong Ge)   https://mlg.eng.cam.ac.uk/hong/

- Developed and redesigned the Cambridge Machine Learning Group's official website, enhancing usability, navigation, and aesthetic appeal.
- Automated publication website generation, enabling dynamic author, topic, and yearly listings from a unified BibTeX source, recognized officially on the group's site (mlg.eng.cam.ac.uk/#footer).
- Built and implemented automated workflows for team page updates and global navigation using EJS, YAML, and shell scripting, significantly improving site maintainability.
- Optimized Continuous Integration and Deployment (CI/CD) pipelines using GitHub Actions and custom Bash scripts, reducing deployment time from over 1 hour to under 2 minutes (live results available at turinglang.org).
- Created integrated cross-site search functionality leveraging jq-based tooling.
- Developed and contributed to a benchmarking system for DynamicPPL.jl (PR #346); collaborated within a team, resulting in significant benchmarking improvements (results).
- Implemented various visualization tools in MCMCChains.jl, including Violin Plots, Energy Plots, and Prior/Posterior Predictive Check Plots, significantly enhancing usability and analytical capabilities for end users.
- Skills Utilized: Python, Julia, TypeScript, Shell Scripting, EJS, YAML, GitHub Actions, CI/CD, Quarto, Turing.jl, DynamicPPL.jl, MCMCChains.jl

Technical Content Writer — GeeksforGeeks (Remote Internship)   Jan, 2024-Jan, 2025

- Authored 23+ technical articles across domains including Python, C++, Git, Django, JavaScript, Julia, and more.
- Improved the quality, accuracy, readability, and clarity of two technical articles for a global audience.
- You can find all my articles here — https://auth.geeksforgeeks.org/user/shravanngoswamii/articles

ACHIEVEMENTS

- **Smart India Hackathon 2024 Finalist:** Developed a standalone Windows Hardening application (WPF & .NET), capable of creating, editing, and managing Group Policy Objects (GPOs).
- **UTU Shark Tank Winner:** Secured victories in both 2023 and 2025 competitions.
- **International Mathematical Olympiad:** Awarded Gold Medal at the state level (9th Standard).
- **Featured by MLG Cambridge University:** Recognized on their official website (See Footer).

TECHNICAL PROJECTS

MLG Cambridge website — Link | MLG Publications website — Link | Python, Quarto   Aug '24–Oct '24

Turing.jl website — GitHub | Turing.jl docs website — GitHub | Quarto, Shell, EJS, SCSS   June '24–July '24

DynamicPPL Benchmarking — GitHub | Julia, Turing.jl, DynamicPPL.jl, Github Actions   March '25

All projects are listed here: shravangoswami.com/projects

SKILLS	LINKS
Technical: C++, Python, Julia, HTML, CSS, JavaScript, TypeScript, Shell/Bash scripting (sed, awk, grep, jq), GitHub Actions	**GitHub:** shravanngoswamii
Languages: English, Hindi, Greek (Elementary)	**LinkedIn:** shravangoswami
Frameworks & Packages: Turing.jl, MCMCChains.jl, DynamicPPL.jl, Django, Quarto, React.js, Franklin.jl, Flutter, Documenter.jl	**CodeForces:** shravanngoswamii
Tools: VS Code, Git, Sublime Text	**AtCoder:** shravanngoswamii
OS Familiarity: Ubuntu (WSL) & Windows	**Website:** shravangoswami.com
	X/Twitter: shravangoswamii
	Not quite active on social media!

EDUCATION

Uka Tarsadia University (UTU), Bardoli, Surat—Gujarat   2022-2026
Bachelor of Technology in Computer Science and Engineering (Current - 6th Sem)   **SGPA: 8.48, CGPA: 7.88**

What am I up to these days?

- Competing in competitive programming contests on Codeforces & AtCoder to improve problem-solving skills.
- Contributing to open-source projects in the Turing.jl ecosystem, focusing on probabilistic programming tools.
- Drafted a Google Summer of Code 2025 proposal for The Julia Organization and currently researching implementation strategies. [View proposal]

Extra-Curricular Interests: Nietzschean and Platonic Philosophy + Films & Shows by Fincher, Villeneuve, Tarantino, Scorcese, Spielberg + One Piece by Eiichiro Oda!