

## WORK EXPERIENCE

### Research Assistant — University of Cambridge (Remote)

(Mentored by Professor Hong Ge)

May, 2024–Nov, 2024  
https://mlg.eng.cam.ac.uk/hong/

- Integrated documentation and website; added jq-based cross-site search. Automated team page updates with EJS and YAML. Created a global navigation bar with bash scripts for Turing's Documenter.jl-based documentation.
- Optimized CI/CD pipeline with GitHub Actions, reducing build time from over 1 hour to 1 minute 45 seconds through caching and versioning using bash scripts. See the results live at [turinglang.org](https://turinglang.org).
- Redesigned and developed the Machine Learning Group's website at Cambridge University.
- Automated the generation of the Machine Learning Group's website at Cambridge University.
- Automated the Machine Learning Group's publication site at Cambridge University, generating author, topic, and year-wise listings from a single BibTeX file. Received credit in the footer: [mlg.eng.cam.ac.uk/#footer](https://mlg.eng.cam.ac.uk/#footer).
- Skills Gained:** Quarto, Python, Shell Scripts, EJS, GitHub Actions, TypeScript, Turing.jl, CI/CD Pipelines, Julia.
- Current Work:** Developing DynamicPPL Benchmarking system and Improving the MCMCChains.jl package and TypeScript-based probabilistic programming tools.
- Internship Duration:** Originally 3 months, extended to 6 months due to project impact.

### Research Assistant — Vectorly LLC (Remote Internship)

Sep, 2024–Nov, 2025

- My initial 3-month research assistant role at Cambridge University was extended by an additional 3 months, involving responsibilities with both the University and its spin-off, Vectorly LLC.

### Technical Content Writer — GeeksforGeeks (Remote Internship)

Jan, 2024–Jan, 2025

- Published more than 23 Technical Articles and Improved 2 Articles.
- Article Domains: Python (10), C++ (3), Git (3), R (2), Django (1), JavaScript (1), Julia (1), Others (2)
- You can find all my articles here — <https://auth.geeksforgeeks.org/user/shravangoswami/articles>

## ACHIEVEMENTS

- Smart India Hackathon 2024 Finalist (SIH'24 Finalist)**
  - Finals are in December 2024, Lets hope positive outcomes...!
  - We will be working on WPF & Dotnet based Windows Hardening Application
- UTU Shark Tank 2023 Winner
- International Mathematical Olympiad State Level Gold Medal (9th Standard)
- Featured on the website of the esteemed Cambridge University (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

**Social Media Feed App** — [GitHub](#) | Django, Python, HTML, CSS, JavaScript, SQLite3 4th Sem. — 2024

You can find all my projects here: [shravangoswami.com/projects](https://shravangoswami.com/projects)

SKILLS	LINKS
<b>Technical:</b> C++, Python, Julia, HTML, CSS, JS, TypeScript, Shell/Bash Scripting (sed, awk, grep, jq), GitHub Actions <b>Language:</b> English, Hindi, Greek (Elementary) <b>Frameworks &amp; Packages:</b> Django, Quarto, ReactJS, Franklin.jl, Flutter (Learning), Documenter.jl <b>Tools:</b> VS Code, Git, Sublime Text <b>OS Familiarity:</b> Ubuntu (WSL) & Windows	<b>GitHub:</b> <a href="#">shravangoswami</a> <b>LinkedIn:</b> <a href="#">shravangoswami</a> <b>CodeForces:</b> <a href="#">shravangoswami</a> <b>AtCoder:</b> <a href="#">shravangoswami</a> <b>Website:</b> <a href="https://shravangoswami.com">shravangoswami.com</a> <b>X/Twitter:</b> <a href="#">shravangoswami</a> <i>Not quite active on social media!</i>

## EDUCATION

**Uka Tarsadia University (UTU), Bardoli, Surat—Gujarat**

Bachelor of Technology in Computer Science and Engineering

2022–2026

**SGPA: 8.53, CGPA: 7.71**

**Extra-Curricular Interests:** Nietzschean and Platonic Philosophy and Films (Fincher, Tarantino, Scorsese, Spielberg)