

## 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).
- Automated the generation of the Machine Learning Group's publication site 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/papers/#footer](https://mlg.eng.cam.ac.uk/papers/#footer).
- Skills Gained:** Quarto, Python & Shell/Bash Scripting, EJS, GitHub Actions, TypeScript, Turing.jl, CI/CD Pipelines, Basic Julia.
- Current Work:** Redesigning and developing the Machine Learning Group's website at Cambridge University. 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>

## TECHNICAL PROJECTS

### Social Media Feed App — GitHub | Django, Python, HTML, CSS, JavaScript, SQLite3

4th Sem. — 2024

- Developed a social media website which includes features like user authentication, posting, liking, commenting, searching other users, guest users, and managing user profiles.
- UI is a bit minimalistic because I am not much of a UI designer. This project can be considered as a Backend template.
- This project is solely made by me, I have not followed any YouTube tutorial for making this.

### Projects I have completed in my Internships

May 2024 Onwards

- Turing.jl's website and documentation site - [turinglang.org](https://turinglang.org) & [turinglang.org/docs](https://turinglang.org/docs)
- Machine Learning Group's publication's site at Cambridge University - [mlg.eng.cam.ac.uk/papers](https://mlg.eng.cam.ac.uk/papers), It will be soon transferred to main site - [mlg.eng.cam.ac.uk/pub](https://mlg.eng.cam.ac.uk/pub).
- My portfolio website is live at [shravangoswami.com](https://shravangoswami.com) & hosted on Firebase from here - [GitHub](https://github.com).

SKILLS	LINKS	ACHIEVEMENTS
<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="https://github.com/shravangoswami">shravangoswami</a> <b>LinkedIn:</b> <a href="https://www.linkedin.com/in/shravangoswami">shravangoswami</a> <b>CodeForces:</b> <a href="https://codeforces.com/profile/shravangoswami">shravangoswami</a> <b>AtCoder:</b> <a href="https://atcoder.jp/users/shravangoswami">shravangoswami</a> <b>Website:</b> <a href="https://shravangoswami.com">shravangoswami.com</a> <b>X/Twitter:</b> <a href="https://twitter.com/shravangoswami">shravangoswami</a>  <i>Not quite active on social media!</i>	> UTU Shark Tank Winner > IMO State Level Gold Medal > Featured on the website of the esteemed Cambridge University > Working at Google can be achievement for me if you choose this resume.  <i>I can be a valuable asset!</i>

## OPEN-SOURCE

Part of the Turing.jl team and active in many Julia packages. Everything's here on GitHub - [shravangoswami](https://github.com/shravangoswami)

## 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)