

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.
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.
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

Table with 2 columns: SKILLS and LINKS. SKILLS includes Technical (C++, Python, Julia, HTML, CSS, JS, TypeScript, Shell/Bash Scripting), Language (English, Hindi, Greek), Frameworks & Packages (Django, Quarto, ReactJS, Franklin.jl, Flutter), Tools (VS Code, Git, Sublime Text), OS Familiarity (Ubuntu (WSL) & Windows). LINKS includes GitHub, LinkedIn, CodeForces, AtCoder, Website, X/Twitter, and a note 'Not quite active on social media!'.

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)