

# DIVYANSH GOYAL

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## EDUCATION

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Bachelor of Artificial Intelligence and Machine Learning Expected 2026  
Dr. Akhilesh Das Gupta Institute of Technology and Management (CGPA: 8.74 / 10) ~ 3.48 / 4.0

### GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

**Coursework:** Applied Mathematics-I,II, Applied Physics-I,II, Applied Chemistry-I,II, Databases, Machine Learning  
Probability Statistics and Linear Algebra, Numerical Analysis, Graph Networks, Deep Learning

## EXPERIENCE

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AI Engineer Intern | [camel-ai.org](https://camel-ai.org) July 2025 – Present  
Camel-AI *Delhi, India (remote)*

- Developing a multi-agent system based general desktop application under Eigent.
- Enhancing agent capabilities by agent programming for invoking MCP tools, browser use and handling GUI operations.

Princeton University | [HSF-India Trainee - Divyansh](#) June 2025– Aug 2025  
Research Software Intern *Delhi, India (remote)*

Research software trainee for Princeton University's collaborative HSF-INDIA project.

- Providing Julia Interfaces to the HepMC3 Monte-Carlo Event Record Library via CxxWrap bindings.
- Julia interfaces to HepMC3 C++ library, presented at the JuliaHEP 2025 workshop held by Princeton.

Google Summer of Code, 2025 | [GSOC-Divyansh](#) May 2025 – Nov 2025  
The Julia Language *Delhi, India (remote)*

- Developing a digital-twin in medical-imaging for advanced supervoxel visualization
- Utilizing GPU accelerated supervoxel segmentation algorithm to enhance multi-image supervoxels

SciML | [Divyansh-SciML-project](#) March 2025 – May 2025  
Machine Learning Intern *Delhi, India (remote)*

Worked upon the SciMLOperators.jl Julia package for defining lazy operators in the SciML ecosystem under grant.

- Utilising Linear Algebra, migrated the package source to allow for different defining vectors from actions.
- Harnessed Julia's multiple dispatch and linear operators to support the relevant feature in the package.

Google Summer of Code, 2024 | [GSOC-Divyansh](#) May 2024 – Nov 2024  
The Julia Language *Delhi, India (remote)*

- Selected as a contributor for the Google Summer of Code-2024 program out of 43,000 applicants.
- Added functionalities to medical imaging visualizer package (MedEye3d.jl) under Julia.

Buildspace | [buildspace.so](https://buildspace.so) Aug 2023 – Sep 2023  
Builder (Erevald @buildspace) | Season 4 *Delhi, India (remote)*

Traffic analytics web application within the Julia language ecosystem.

- Developed the [Usagov-site-analytics](#) application in the Julia language ecosystem, utilizing Plotly's Dash data-visualization framework and the Julia-pkg ecosystem.
- Visualised traffic analytics data from Usa Government website domains, presenting insights through plotly graphs and charts.

## AWARDS AND HONOURS

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O'Reilly | [oreilly.com](https://oreilly.com) Jul,2023

### Diversity, Equity, Inclusion and Justice Scholarship (DEIJ)

- Selected as one of the 500 scholarship recipients from thousands of candidates for O'Reilly's 2023 cohort.

## POSITION OF RESPONSIBILITIES

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Camel-AI | [Camel-AI OWL Framework project](#)

Feb,2025 - present

### Camel-AI Distinguished Ambassador

- Utilising Camel-AI agent framework to build multi-agent systems whilst making developmental changes to the base library via meaningful PRs (Pull Requests on github).

Microsoft | [Microsoft-student-ambassador-profile](#)

### Beta Microsoft Learn Student Ambassador

Nov,2023-present

- Completed “Understand data science for machine learning”, learn path on Microsoft learn.
- Developing AI Projects utilizing the Microsoft Azure suite of tools within the Python and Julia language ecosystem.
- Participating and hosting events around Microsoft Azure AI tools and conducting high impact activities within the Microsoft Learn community.

International Model United Nations Association (IMUNA)

Feb,2021

### Delegate of Germany

- Raised Topics Under the Committee of UNESCO at the model United Nations 43.0 virtual conference representing The German Nation.
- Topics Raised : Economics Growth and Development Opportunities, Humanitarian Growth Efforts, Civil Rights and Social Action.

## PROJECTS

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### MedEye3d.jl (Adding Functionalities to medical imaging visualizations) [github-repo](#)

Mentor: Jakub Mitura | [jakub-mitura](#)

- MedEye3d.jl, is a package under Julia for visualization of CT and PET medical imaging data modalities.
- Migrated the package reliance from external packages to base Julia macros and functions.
- Fixed Segmentation Faults, glitches, screen tear and flicker within the visualizer.
- Simplified basic usage by providing high level functions.
- Improved load times with the help of improved pre-compilation.
- Adding support for multiple images viewing with indicators for image registration.

### Tomogram Search Agent ( Cryo-ET Tomogram dataset via CZI Cryo-ET portal ) [github-repo](#)

- Searching and analyzing protein tomograms from the CZI CryoET Data Portal using the Optimized Workforce Learning framework.
- Supports Web Search of Cryo-ET data portal, automated tomogram analysis and data export.

## SKILLS

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AI Alignment, Multi-Agent systems, Distributed training, Inference Optimization, Computational Biology,

### Programming Languages/Tools

Julia, Python, C++, Javascript, Shell Scripting (Git & Bash), Docker, Kubernetes, Azure, MongoDB, Apache [Hive, Spark, Airflow], PostgreSQL

### Libraries/Frameworks

Jax, SciML, PyTorch, Tensorflow, Hugging Face, DataFrames, Pandas, Plotly, Dash, MonAI, Electron

Languages - English, Hindi