DIVYANSH GOYAL

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EDUCATION

Bachelor of Artificial Intelligence and Machine Learning	Expected 2026
Dr. Akhilesh Das Gupta Institute of Technology and Management	**CGPA: 8.22 / 10**

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

Coursework: Applied Mathematics, Applied Physics, Applied Chemistry, Principles of AI, Foundations of Data-Science, Probability Statistics and Linear-Algebra

EXPERIENCE

Buildspace	buildspace.so	Aug 2023 – Sep 2023
**Builder (Erevald @buildspace)	Season 4**	*Delhi,India*

(remote)

Traffic analytics web application within the Julia language ecosystem.

- Created Julez-dash, a github repository highlighting sample applications built with Plotly's dash data-visualization framework.
- 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.

UserTesting	usertesting.com	Jun 2020 – Jan 2021
Software Tester	*Delhi,India (remote)*

- Gig to test the reliability of applications and document the overall content-navigation experience, following the required tasks to test the application from the perspective of end user.
- Presenting the responsiveness, color-theory applicability, content-navigation, latency, and any anticipated crashes and videoing the process whilst doing so.
- Each gig tested, was rewarded with 10$ in compensation transferred via PayPal.

PUBLICATIONS

Dear Imgui with glfw and opengl3 Backends | dear-imgui-medium-blog

- A brief guide on how to get a visual studio empty bare-bones projects up and running to utilize the Dear-Imgui immediate mode graphical UI library using the glfw and opengl3 backends.
- Along with the guide, is an in-depth video tutorial for the same.

Machine Learning Chronicles | ml-medium-blog

- Covering machine learning concepts such as supervised and unsupervised learning and implementing models that utilise cost and objective functions for the same.
- Understanding Supervised Learning methodologies with the implementation of a gradient descent function within a machine learning model.

LICENSES AND CERTIFICATIONS

O'Reilly | ML For Beginners (Level 1)   [Credential](#)   Dec,2023
O'Reilly | ML For Beginners (Level 2)   [Credential](#)   Jan,2024
O'Reilly | ML For Beginners (Level 3)   [Credential](#)   Jan,2024

AWARDS AND HONOURS

O'Reilly | [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 Diversity, Equity, Inclusion, and Justice scholarship.
- This distinguished award has granted me complimentary access to O'Reilly's vast library of premier technical resources for an entire year.

POSITION OF RESPONSIBILITIES

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 Rasied : Economics Growth and Development Opportunities, Humanitarian Growth Efforts, Civil Rights and Social Action.
- Contributed to framing an action plan for the causes mentioned.

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

Alpha 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 Julia language ecosystem.
- Participating and hosting events around Microsoft Azure AI tools and conducting high impact activities within the Microsoft Learn community.

PROJECTS

MedImage.jl (Standardisation of Medical Imaging data within Julia)

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

- MedImage.jl,is a package under julia for the standardisation of medical imaging data from "DICOM" and "NIFTI" files.
- Provides creation of gzipped NIfTI (.nii.gz or .nii) files from dicom(.dcm) datasets, and implements functionality for rotation, cropping, transformation, translation and scaling of the medical imaging pixel data arrays.

SKILLS

Programming Languages/Tools

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

Libraries/Frameworks

 SciML, PyTorch, Tensorflow, Hugging Face, MedImage, DataFrames, Pandas, Plotly, Dash

Languages
English, Hindi