

Ammar Ahmad Kidwai

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Portfolio Site : <https://prtf-site.vercel.app>

SUMMARY

Computer Science AI junior at Jamia Hamdard University, currently pursuing a bachelor's degree in computer science with (AI). Proven track record of delivering impactful solutions through 10+ projects using Python, JavaScript, and modern frameworks such as Svelte 5. Worked on various projects ranging from data-driven machine learning models to simulations. Possesses intermediate proficiency in C, Python and JavaScript and frameworks such as Flask and Svelte. 3D design generalist with three years of experience in Blender 3D.

EXPERIENCE

AI/ML intern

December 2024 - January 2025

Delhi Police

New Delhi, India

- Architected hybrid RAG chatbot system aimed to educate and enforce Model Code of Conduct and enquire about deployment information for police personnel in south district of New Delhi during 2025 state elections

SDE intern

March 2024 - June 2024

Delhi Police

New Delhi, India

- Developed a chatbot leveraging Delhi Police's data to engage with users seeking information on legal provisions, election guidelines, and other relevant topics
- created lo-fi and hi-fi visual dashboard prototypes for monitoring election-related activities

PROJECTS

Delhi Police RAG Chatbot | Python, scikit-learn, PostgreSQL, LangChain | [Project Link](#)

December 2024

- Trained an ensemble of 6 models with varying parameters on 100 queries using scikit-learn, resulting in a model capable of classifying queries in English or Hindi as either RAG or Deployment-related with an accuracy of 98%.
- Contributed to training the model, cleaning deployment data using Pandas, and uploading it to Postgres on Vercel.
- Achieved a 3.5x speedup in response time, reducing query latency from 10s to 1.5-4s - thus minimizing conversation drop-off and reducing user waiting time

Natural Language to Latex | Python, \LaTeX , Generative AI | [Link](#)

July 2024 - August 2024

- A simple tool to convert any mathematical equation in natural language to its \LaTeX equivalent
- Returns the \LaTeX code generated to the user as well as renders the \LaTeX thus obtained and saves result as a JPEG file
- makes use of Cohere LLM to parse user input and return the \LaTeX code

Cover Page Generator | HTML, CSS, JavaScript, Google Apps Script | [Version 1](#), [Version 2](#)

May 2024

- Developed a **Google Apps Script** tool that reduced cover page creation time from **20 minutes to 2 minutes**.
- Built two versions: a **Google Apps Script** form-based generator and a **WYSIWYG** version hosted on Vercel.
- Adopted by **100+ students** in college.

Certificate Generator and Autosender | [Google Apps Script](#) |

May 2023

- Makes use of Google Apps Script to generate certificate using template and sends PDF using Gmail
- Saves 20 minutes of manual effort per certificate, thus saving an average of 23 hours per event and also eradicating manual errors

EDUCATION

Jamia Hamdard University

New Delhi, India

B. Tech in Computer Science (AI) | CGPA : 8.96 (till 4th semester)

2022 - 2026

Relevant coursework: Data Structures and Algorithms, Probability and statistics, Computer Organization and Architecture, Data Mining, Database Management Systems (DBMS), Machine Learning

SKILLS

Programming languages: C, Python, C++, HTML, CSS, JavaScript

Software, frameworks & libraries: Git, Tailwind, Svelte 5, Numpy, Pandas, Github, Google Apps Script

Design: GIMP, Figma, Inkscape, 3D modelling, rendering and design in Blender 3D

Languages: English, Hindi, French (limited working proficiency) | **Soft skills:** Communication, adaptability, teamwork