

Sujal Kulshrestha

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EDUCATION

Bachelor of Technology in Computer Science (AIML), GLA University, Mathura (8.47 CPI)	June 2025
Intermediate, St. Andrews Sr. Sec. School, Agra (91.6%)	May 2021
High School, St. Andrews Sr. Sec. School, Agra (92%)	May 2019

INTERNSHIP/TRAINING EXPERIENCE

<u>Full Stack Web Development Certification (Coursera)</u> <i>Website Development Training</i>	June 2023 – September 2023
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- Learnt React, Django, MongoDB, NodeJS, and ExpressJS full-stack web development tech stacks
- Learnt basics of HTML, CSS and Javascript along with Tailwind and Bootstrap CSS
- Created projects with MERN stack and also learned git/github for collaborative development

<u>Job Oriented Value Added Course, GLA University, Mathura</u> <i>Trainee</i>	June 2022 – July 2022
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- Learnt Python libraries like pandas, numpy, matplotlib, seaborn, etc for machine learning (Data Science)
- Learnt image processing in the field of ML and created an image pre-processing pipeline project/

PROJECTS

Learner'sEd (Students Platform)

- Created a Web + AIML-based solution for Intel OneAPI Hackathon 2023, a platform for E-Learning, to tackle the the native method of online learning and preventing unfair means amongst students
- Django, Bootstrap, HTML, CSS, Tensorflow, Python tech stack was used
- Integrated the Intel OneAPI libraries which boosted the model's inferences

EchoSphere (Grievances Redressal System)

- Created a Web + AIML-based solution for Smart India Hackathon 2023, the main goal was to provide a platform that makes the lodging of grievances regarding public services and facilities with the help of the NLP model that makes the process of lodging easier for locals.
- React, Django, Bootstrap, Tensorflow, Python tech stack was used

AI Smart Cane

- With the help of IoT and AIML technologies, created a smart blind stick that uses a single camera module and a Raspberry Pi (SBC) to detect the environment in front of the user and provide feedback accordingly
- A GPS module was also attached which provides the emergency SOS services to the project.

Ayakshma (Assistive Technology for Rural India)

- Created a PWA (Progressive Web Application) that works on both online and offline mode, to tackle the challenge of network issues
- Used NodeJS, MongoDB, Flask, and React to provide interactive AI-driven recommendations.

SKILLS

Technical

Python
Java
MongoDB / ExpressJS / ReactJS / NodeJS
Django
ML/DL

Professional

Effective Communication Skills
Effective Debugging Skills
Team Management Skills
Research-Based Skills

EXTRA/CO-CURRICULAR ACTIVITIES

- Coordinated as Head of Technical Operations for IBM ICE Day 2022
- Coordinated as Technical Head for Evolute 2k23 Tech-a-thon by DedSec
- Worked on a research paper based on TensorFlow's federated learning and outlier detection

EXPERIENCES

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| • Founder and President of DedSec AIML club of GLAU | October 2022 – April 2023 |
| • General Secretary Technical of Students Affair Council | January 2023 – August 2023 |
| • Co-vice President Technical (IRAC Students Consortium) | November 2023 – August 2023 |

ACHIEVEMENTS

<u>Technical Paper Presentation (Winner)</u>	November 2022
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- IBM's Innovation Centre conducts an IBM-ICE Event every year in their collaborated colleges for students those who are enrolled on IBM specialised courses
- Secured recognition for presentation on 'MLOps' as it was rated as the best technical paper and received first prize

<u>Smart India Hackathon (1st Runner Up) - Internal</u>	November 2023
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- Secured 2nd position in Smart India Hackathon (Internal), with Software + Hardware Category problem statement
- Created a solution for grievances lodging mechanism named EchoSphere

<u>Intel OneAPI Hackathon (2nd Runner Up)</u>	July 2023
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- Secured 3rd position in hackathon organized by Hack2Skill, powered by Intel
- Created a student portal for tackling the e-learning issues addressed by the problem statement
- Integrated with Intel OneAPI libraries like OneDNN, OpenMP and Modin for Pandas

DECLARATION

I hereby declare that all the above-mentioned information is true and correct to the best of my knowledge.