

Ishu Agrawal

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Summary

B.Tech Computer Science student with hands-on experience in NLP, AI-based applications, and full-stack development. Skilled in building deployable, real-world projects using Flask, spaCy, and modern backend tools.

Education

GLA University, Mathura, Uttar Pradesh
B.Tech, Computer Science (AIML & IoT)

Expected May 2027
CGPA: 86.3

Vidya Devi Jindal School, Mathura
Higher Secondary (12th)
Secondary School Certificate (10th)

Completed 2023
Percentage: 86.6%
Percentage: 95%

Projects

- Automated MCQ Generator using NLP and AI** *Flask, spaCy, Python, Google AI, Render*
 - Built a web-based system to generate exam-style MCQs from PDFs, text files, and Google Drive links.
 - Implemented two modes: manual NLP-based MCQ generation and AI-assisted MCQ generation.
 - Used spaCy for sentence segmentation, noun extraction, and explainable MCQ formation.
 - Designed offline text summarization to reduce token usage before AI processing.
 - Added cost-aware AI limits by restricting MCQ generation to a maximum of 15 questions.
 - Implemented answer reveal on user interaction and downloadable PDF output.
- E-Commerce Website** *EJS, MongoDB, Express, Passport.js*
 - Developed a full-stack e-commerce platform with separate seller and user accounts.
 - Implemented secure authentication and authorization using Passport.js.
 - Built product CRUD features and inventory management for sellers.
 - Designed RESTful APIs and used MongoDB for structured data storage.

Technical Skills

- Languages: Python, JavaScript, Java, HTML, CSS, SQL
Frameworks / Libraries: Flask, Express, React, spaCy
AI / NLP: Natural Language Processing, Text Extraction, AI Prompt Engineering
Databases: MongoDB, MySQL
Tools & Platforms: Git, Postman, Render

Certifications

- AI For India 2.0 — GUVI Geek Networks, IITM Research Park Sep 2023
- Python Programming — GUVI Geek Networks, IITM Research Park Aug 2023
- API Development & Automation — Postman Student Program Nov 2024
- Skillcred Micro Internship — Internship Completion Jul 2024

Languages

English, Hindi