

KRITIKA AHUJA

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Skilled AI and machine learning professional with over 2 years of experience in developing Gen-AI solutions, chatbot frameworks, and data-driven applications. Proven track record in integrating advanced APIs and leading end-to-end development for scalable solutions.

EDUCATION

Thapar Institute of Engineering and Technology, Patiala Dual Degree - BE-MBA - Computer Science Engineering	<i>Aug 2017 - June 2022</i> CGPA: BE - 8.80, MBA - 8.97
M.A.S.D. Public School, Panipat Senior Secondary Education (CBSE)	<i>April 2015 - March 2017</i> Percentage: 89.8%
M.A.S.D. Public School, Panipat Matriculation (CBSE)	<i>March 2015</i> CGPA: 10

EXPERIENCE

Senior Associate, EY-GDS (Ernst & Young - Global Delivery Services) <i>Present</i>	<i>October 2024 -</i>
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- Spearheaded the development of advanced chat-bot solutions capable of processing structured and unstructured data, leveraging OpenAI APIs for accurate, formatted responses.
- Designed and implemented computational workflows using NumPy and pandas for complex data analysis and calculations, enhancing chatbot capabilities.
- Led end-to-end development, from requirement gathering and system analysis to deployment, ensuring robust and scalable solutions.
- Expanded team capabilities in generative AI by integrating cutting-edge natural language processing techniques, fostering innovation and efficiency.

Associate - 3, EY-GDS	<i>October 2023 - October 2024</i>
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- Developed Python-based Gen-AI solutions to automate processes and build chatbot frameworks, improving efficiency and time management.
- Integrated OpenAI APIs, boosting NLP capabilities by 30% and enabling advanced machine learning applications.
- Gathered project requirements, analyzed systems, designed solutions, and oversaw development and deployment processes.

Associate - 2, EY-GDS	<i>July 2022 - October 2023</i>
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- Developed and implemented machine learning algorithms to automate question-answer modules, improving efficiency and accuracy.
- Reduced manual effort by 40% through automated document generation using ML models.
- Applied web scraping techniques to gather data for content generation, enhancing project capabilities.
- Collaborated with the team to integrate these solutions into various projects, contributing to overall productivity.

INTERNSHIP

Intern, EY-GDS

April 2021 - June 2022

Project: Image to Text

Developed **Smart OCR**, which converts organizational charts into Microsoft Excel and documents into editable formats using OpenCV, computer vision, and machine learning techniques.

Summer Intern, IDFC First Bank

June 2020 - August 2020

Project: Visual Recognition Algorithm

Built a web application using Flask for Digital KYC in financial institutions, leveraging OCR and machine learning techniques to streamline processes.

PROJECTS

Robocop

Python, ML, OpenCV

An autonomous robot for real-time target detection, locking, shooting, patrolling, and collision avoidance mechanisms.

Smart Cap - GetVision

HTML, CSS, ML, Python, OpenCV

An artificial eye for visually impaired individuals, detecting and recognizing faces, objects, and expressions in real time using machine learning.

SKILLS

Programming Languages:	Python
Web Technologies:	SQL, Flask, Fast
Tools & Utilities:	Git, Azure DevOps, Microsoft Office
Relevant Coursework:	Generative AI, Machine Learning

ACHIEVEMENTS

- Winner, **Smart India Hackathon 2020** (Hardware Edition) · Category: Open Innovation.
- Winner, **Hackpions EY-GDS Hackathon 2020** · Category: Image to Text.
- Winner, **Bosch AI Hackathon** presented by Code Gladiators 2021.
- **Merit Scholarship** awarded for excelling in JEE Mains and being a constant performer in college.
- Winner - **Devfolio HackTU Hackathon 2019** · Category- Machine Learning

EXTRACURRICULAR ACTIVITIES

- Organizing team member for the Mega Blood Donation Camp of the Rotaract Club (2019).
- Event Coordinator for Salsa Workshop, Saturnalia Cultural-Technology Pre-Fest (2018).