Kritika Ahuja

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EDUCATION

Thapar University — Patiala, India
Dual Degree - BE-MBA - Computer Science Engineering — *Aug. 2018 – May 2022*

EXPERIENCE

Senior Associate — October 2024 - Present
EY-GDS (Ernst & Young - Global Delivery Services) — *Gurugram, India*
- 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.

Associate - 3 — October 2023 - October 2024
EY-GDS — *Gurugram, India*
- 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 — July 2022 - October 2023
EY-GDS — *Gurugram, India*
- 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.

INTERNSHIPS

Machine Learning 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, Machine Learning, OpenCV* — January 2020 – January 2021
- An autonomous robot for real-time target detection, locking, shooting, patrolling, and collision avoidance mechanisms.

Smart Cap - GetVision | *Python, ML, OpenCV* — May 2019 – October 2019
- An artificial eye for visually impaired individuals, detecting and recognizing faces, objects, and expressions in real time using machine learning.

TECHNICAL SKILLS

Languages: Python, SQL
Frameworks: Flask, FastAPI
Developer Tools: Git, Docker, Azure DevOps, VS Code, Visual Studio
Libraries: pandas, NumPy, Matplotlib