

MVSK LALITH KUMAR

Github [↗](#) LinkedIn [↗](#) Portfolio [↗](#)

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EDUCATION

- **Mahindra University** Hyderabad, India
Master of Engineering – Artificial Intelligence and Data Science 2024 - 2026
CGPA: 6.54/10
- **Lovely Professional University** Punjab, India
Bachelor of Engineering – Computer Science Engineering (AI&DS) 2020 - 2024
CGPA: 7.54/10

EXPERIENCE

- **Upgrad Private Limited – Punjab, India** [↗](#) Punjab, India
AI Engineer Intern Jan 2024 - Aug 2024
 - Developed an intelligent expense tracker with automated receipt scanning and categorization, reducing manual entry by 70%.
 - Built a secure Flask backend with SQLite enabling real-time expense logging and ensuring reliable data persistence with 99% accuracy.
 - Implemented dynamic charts and analytics, providing users with actionable financial insights and improving engagement by 40%.

PROJECTS

- **AI Text Transformer** [↗](#) Jun 2025 - July 2025
 - Developed a full stack AI text transformation web application using python, streamlit and LangChain.
 - Implemented robust back-end logic for parsing and processing text from PDF to DOCX documents.
 - Orchestrated complex LLM interactions using LangChain to achieve dynamic, style-based text generation.
- **Data Prepping Co-pilot** [↗](#) Apr 2025 – May 2025
 - Integrated CSV and Excel support using papaparse and XLSX libraries for dynamic file handling.
 - Enabled rule-based data cleaning operations through a user-friendly interface with real time preview.
 - Designed modular UI components for scalable data workflows, paving the way for future AI integrations.
- **IBM-HR-Analytics-Employee-Attrition-Performance** [↗](#) Feb 2025 - Mar 2025
 - Built an end-to-end ML pipeline to predict employee attrition, achieving an 87% F1-score on test data.
 - Leveraged Optuna for automated hyperparameter tuning to identify the optimal predictive model.
 - Performed in-depth EDA to identify and visualize key drivers influencing employee retention.

SKILLS

- **Languages** Python, SQL
- **Field of Study** EDA, Machine Learning, Deep Learning, Generative AI, NLP, Agents
- **Other Technologies** Power BI, Tableau, Pytorch, Fast API, Excel, Fine tuning, Docker
- **Soft Skills** Passionate, Adaptable, Communication, Time Management, Data Storytelling

POSITIONS OF RESPONSIBILITY

- **Co-Curricular Activities Lead** Hyderabad, India
Organized events and fests for 3500+ students in the university campus 2025 - Present
- **Lead Member of GDSC CLUB LPU 2k24** Punjab, India
Managed events and conducted workshops for 10000+ students in the university campus 2022 - 2024

ACHIEVEMENTS

- Recognized as a Kaggle Contributor for demonstrating foundational skills in data analysis and consistent engagement through high quality notebooks.
- Demonstrated exceptional strategic planning and competitive focus by achieving a top tier ranking in the Chess tournament.
- Selected participant, Volkswagen Group's i.mobilothon: completed in an exclusive innovation challenge focused on developing next generation mobility solutions.

HOBBIES

- Badminton