

# Amit Kumar

[linkedin](#) / [ak0614653@gmail.com](mailto:ak0614653@gmail.com) / [+91 9634993891](tel:+919634993891)

## EDUCATION

### BSc (Computer Science)

06/2019 – 07/2021

Dr. Bhimrao Ambedkar University, Agra

### 12th (Senior Secondary)

2015 – 2017

MAB Inter College, Agra

## SKILLS

- **Languages:** Python, SQL
- **Data Analysis:** Data Cleaning, Data Analytics, Statistical Analytics, Data Visualization
- **Machine Learning & AI:** Machine Learning, Deep Learning, Computer Vision, NLP
- **Frameworks/Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Plotly, Scikit-learn, TensorFlow, Keras, BeautifulSoup
- **Software & Tools:** Tableau, Power BI, MongoDB
- **Web Technologies:** Web Scraping

## EXPERIENCE

### Data Science Master

PWSkills

### Generative AI and Prompt Engineering

ineuron.ai

## PROJECTS

### Production-Based End-to-End MLOps Project

Aug 2024 – Present

- Established a complete MLOps pipeline, automating machine learning workflows and reducing deployment time by 50%.
- Achieved a model accuracy of 90% through rigorous data preprocessing and hyperparameter tuning.
- Employed Docker for containerization, enhancing scalability and reproducibility across different environments by 40%.

### End-to-End Student Performance Indicators ML Project

Jun 2024 – Aug 2024

- Enhanced data visualization tools, improving stakeholder engagement and understanding of performance indicators by 35%.
- Implemented feature engineering techniques, leading to a model performance increase of 15%.
- Collaborated with educators, providing actionable insights that contributed to a 20% increase in student retention rates.
- Streamlined data collection processes, reducing data entry time by 40%, thus increasing overall efficiency in data management.

### End-to-End MCQ Generative AI Project

Jul 2024 – Sep 2024

- Created an AI model generating MCQs from text, producing over 500 questions in under 2 hours, enhancing curriculum development efficiency.
- Achieved 85% accuracy in question relevance and difficulty alignment, improving assessment quality.
- Integrated NLP techniques that reduced manual question creation time by 60%, allowing educators to focus on teaching.
- Developed a user-friendly interface, increasing usage by 30% among educators and facilitating easier access to generated content.
- Established a feedback loop for continuous improvement, enabling a 20% enhancement in question generation quality based on user input.

### End-to-End Sentiment Analysis NLP Project

Sep 2024 – Present

- Implemented real-time data processing, allowing for immediate sentiment tracking and reporting with a 10-second turnaround.
- Enhanced the user interface for sentiment visualization, leading to a 25% increase in user engagement with the dashboard.
- Utilized advanced NLP techniques to decrease false positive rates by 18%, improving overall model reliability.
- Integrated the solution into business operations, facilitating strategic adjustments based on sentiment trends and resulting in a 15% increase in customer satisfaction.

## CERTIFICATES

- **Data Science Master with generative AI** from PWSkills
- **Certificate of MLOPs** from ineuron
- **Certificate of Gen AI** from ineuron