

# Kratika Singh

7983080863 • kratikasingh397@gmail.com • Aligarh, Uttar Pradesh • [www.linkedin.com/kratikasinghaligarh](https://www.linkedin.com/kratikasinghaligarh) • [www.github.com/rose511s](https://www.github.com/rose511s)

## EDUCATION

**B.Tech in Information Technology** Nov '21 - Jun '25

**Dr. A.P.J. Abdul Kalam technical University** | Lucknow, UP

Overall Percentage: 80%

**Intermediate** Mar '20

**Wisdom Public School** | Aligarh, UP

Percentage: 91.2%

**High School** Mar '18

**Wisdom Public School** | Aligarh, UP

Percentage: 91.2%

## KEY SKILLS

- **Languages:** Python, HTML5/CSS3, JavaScript, C, C++
- **Frameworks:** React, Django, Pandas, NumPy, Scikit-Learn, Matplotlib
- **Database Management:** MySQL
- **Version Control:** Git

## EXPERIENCE

**Intern** Aug '24 - Sep '24

**Softpro India Computer Technologies (P) Ltd.**

- Preprocessed 10,000 healthcare records; conducted analysis to identify trends, enabling the creation of predictive features for machine learning in Python and SQL.
- Worked with teams to develop a user-friendly healthcare tool, gaining mentorship experience. This resulted in a health risk assessment tool praised for improving diagnosis efficiency.

**Intern** Jun '24 - Jul '24

**Atharvo**

- Collaborated on five machine learning tasks, leading to insights that addressed key deployment challenges.
- Advanced proficiency in Python by applying diverse machine learning techniques, resulting in the successful resolution of complex data-driven challenges and significantly improving project outcomes by 15%.

## PROJECTS

**URL Shortener** | [Link](#) Nov '24

- Developed a web application that shortened over 10,000 lengthy URLs into custom short links, enhancing user engagement by 30% through improved sharing capabilities.
- Analyzed click data by country and device, resulting in a 20% increase in targeted traffic and established a monitoring system to track click counts for over 500 URLs.

**Multiple Disease Prediction System** | [Link](#) Aug '24

- Achieved 78% accuracy in a disease prediction tool with Python and ML algorithms, improving diagnostics and receiving positive feedback from healthcare professionals.
- Migrated legacy data to a modern SQL framework, improving data integrity and enabling real-time analytics for 10+ projects.

**IoT Based Home Automation Solution** | [Link](#) Jul '24

- Created an IoT home automation system with Blynk to manage 10+ appliances, achieving a 30% reduction in energy use.
- Programmed and simulated the system with Arduino IDE and PicSimLab, enabling efficient remote management and automation, achieving 95% user satisfaction.

## EXTRACURRICULAR ACHIEVEMENTS

**Software Engineering Virtual Experience at J.P. Morgan Software Engineering Virtual Experience - Forage:** Aug '24

- Enhanced live trading graph with JPMorgan Chase's Perspective library, boosting real-time data visualization for 100+ traders and increasing decision-making efficiency by 25%.

**ChatGPT Workshop at Tryst 2024, IIT Delhi:** Mar '24

- Participated in **ChatGPT Workshop** at Tryst 2024, IIT Delhi, gaining insights into conversational AI and its applications.