

# RAHUL YADAV

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## Education

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### Amity University Uttar Pradesh

Master of Computer Application; GPA: 7.96

Aug 2024 – May 2026

Noida, UP

### Institute Of Technology and Science

Bachelors of Computer Application; Percentage: 70%

Aug 2021 – May 2024

Ghaziabad, UP

## Certifications

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- Python 101 for Data Science ([PY0101EN](#))

## Projects

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### Cloud Vendor Data Management using Spring Boot

- Developed a robust RESTful API using Spring Boot to manage cloud vendor data with CRUD operations (Create, Read, Update, Delete).
- Integrated Spring Data JPA for database interactions and used MySQL as the backend database.
- Thoroughly tested API endpoints using Postman to ensure functional correctness and REST compliance.

**Learnings:** Spring Boot, RESTful API Design, Spring Data JPA, Postman Testing etc.

### Topic Modeling and Content Mining for Blog Analysis

- Implemented NLP techniques to extract key topics and trends from a large corpus of blog posts.
- Utilized Latent Dirichlet Allocation (LDA) for unsupervised topic modeling
- Tools/Technologies: Python, NLTK, Gensim, Pandas, Matplotlib

**Learnings:** NLP, Text Preprocessing, Topic Modeling (LDA), Unsupervised Machine Learning, Data Analysis & Visualization etc.

### User Authentication and Authorization with JWT in Spring Boot

- Designed and implemented a secure JWT-based authentication and authorization system using Spring Boot and Spring Security.
- Integrated Spring Data JPA and MySQL for user data persistence.
- Tools/Technologies: Java, Spring Boot, Spring Security, JWT, MySQL, Postman.

**Learnings:** Spring Boot, Spring Security, JWT (JSON Web Token), Authentication & Authorization, MySQL Integration etc..

## Technical Skills

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- **Languages:** Java, SQL, HTML, CSS, Python
- **Tools:** Git & GitHub, Postman, Maven, Apache Tomcat
- **Frameworks:** Spring Boot, React.js, Swing, Flask
- **Coursework:** Data Structure, DBMS, OOPS