

# Kartikey Dwivedi

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## PROFESSIONAL SUMMARY

**MCA student** with hands-on experience in building and deploying machine learning-based applications using Python and NLP. Familiar with data preprocessing, model evaluation, and integrating ML models into backend systems through REST APIs. Interested in applied AI/ML roles and continuously learning to build practical, real-world AI solutions.

## EDUCATION

### Master of Computer Application

Kiet Group of Institutions, Ghaziabad

**CGPA-7.6**

**2024-2026**

### Bachelor of Computer Application

CSJM University, Kanpur

**CGPA-7.4**

**2021-2024**

### Senior Secondary

BSS Inter College

**2020**

### Secondary

Gyan Niketan High School

**2018**

## SKILLS

- AI/Machine learning:** Python Pandas, NumPy, Scikit-learn NLP (text preprocessing, TF-IDF, similarity scoring)
- Backend & APIs:** FastAPI, Node.js, RESTful API design, Authentication(jwt)
- Frontend:** React.js, HTML5, CSS3, Tailwind CSS
- Database:** SQL, MongoDB
- Frontend:** React.js, Tailwind
- Programming Languages:** Java, Python, Javascript
- Tools & Platform:** GitHub, Postman, vs code

## CERTIFICATIONS

- AWS Academy Cloud Foundations – AWS Academy (**May 2025**)
- Effective Communication Skills – Coursera (**Jul 2025**)

## PROJECTS

### AI-Powered Resume Screening System

**Aug 2025 – Jan 2026**

- Developed an AI-based resume screening system to automatically rank and shortlist candidates based on job descriptions using NLP techniques.
- Implemented text preprocessing and vectorization to convert resumes and job descriptions into numerical representations
- Built REST APIs to upload resumes, process data.

**Technologies Used:** Python, Pandas, Scikit-learn, NLP (TF-IDF), FastAPI, MongoDB, Docker

### Task Tracker API

**May 2025 – July 2025**

- Designed a REST API for task management with user registration and authentication.
- Implemented layered architecture using service and repository patterns for clean code.
- Tested CRUD operations and task filtering by user with Postman for reliability.

**Technologies Used:** Java, Spring Boot, PostgreSQL, JPA, Postman

### Lost & Found Web Application

**Feb 2025 – Apr 2025**

- Created a platform to report and retrieve lost items with authentication and search filters
- Developed RESTful APIs using Express.js and MongoDB for reliable storage
- Integrated backend with a React-based frontend for improved user experience

**Technologies Used:** Node.js, Express.js, MongoDB, React, Tailwind

## PROFESSIONAL EXPERIENCE

### Web Developer Intern

TAC Services, Ghaziabad

**March 2025 – August 2025**

- Worked as a **Frontend Developer Intern**, creating responsive and user-friendly UI components with React and Tailwind CSS.
- Collaborated with the team to **integrate frontend modules with backend APIs**, ensuring smooth client-server communication.
- Participated in **agile sprints**, code reviews, and version control using Git/GitHub.
- Gained exposure to **backend workflows** (API testing, authentication flows) while focusing primarily on frontend development.