

Ujjwal kumar

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Education

Maharaja Agrasen Institute of Technology, B.Tech in Electronics & communication Aug 2022 – July 2026

- CGPA: 7.8/10.0 [Marksheet]
- Minor in Artificial Intelligence and Machine Learning

Projects

Circles  Github

A social platform for discovering and joining interest-based communities.

- Designed and developed a responsive, user-friendly interface for smooth navigation.
- Integrated Google Authentication for secure and seamless user onboarding.
- Implemented role-based features including anonymous posting and community announcements.
- Tools Used: React.js, Express.js, PostgreSQL, Prisma

Rescore  Github

A web application that evaluates resumes against job descriptions using machine learning.

- Built a custom dataset by collecting resumes and JDs using the DataDox tool.
- Trained a Random Forest model to predict match scores and rank resumes.
- Developed a resume parser supporting multi-file uploads (PDF, DOCX).
- Tools Used: Next.js, FastAPI, scikit-learn, NLP

DataDox Github

A dataset creation tool tailored for the Rescore project.

- Streamlined the dataset generation pipeline with human evaluation integration.
- Incorporated NLP-based feature extraction for training ML models.
- Tools Used: React.js, FastAPI, NLP

Technologies

Languages: C++, JavaScript/TypeScript, Python

Frontend: React.js, Next.js, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js, FastAPI, REST APIs

Machine Learning: Supervised & Unsupervised Learning, NLP, scikit-learn

Tools & Databases: PostgreSQL, Prisma, Git, SQL

Certifications

- Machine Learning Bootcamp – Udemy [Certificate]
- Web Development Course – Udemy [Certificate]

Professional Summary

Final-year B.Tech student with hands-on experience in full-stack development and machine learning. Built Circles, a social platform for community engagement, and Rescore, a resume-job matcher powered by ML.

Comfortable with data structures and algorithms in C++, and passionate about solving real-world problems with clean, efficient code. Eager to learn, collaborate, and contribute to meaningful projects.