



Dheeraj Patidar

Master Of Computer Application (AI & IOT)

Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.C.A (AI & IOT), CSE	National Institute of Technology, Patna	7.41	2024-2026
B.C.A	Devi Ahiliya Vishwavidhyalaya, Indore	7.2	2020-2023

PROJECTS

- **Project A: [Duplicate Question Detector]** Feb, 2025
Tools: [Machine Learning, NLP, Python, Scikit-learn]
 - Built an NLP-based Duplicate Question Detection System on the Quora Question Pairs Dataset, leveraging advanced text preprocessing and semantic similarity measures .
 - Engineered 20+ linguistic & semantic features (token overlap, fuzzy string matching, longest common substring, Bag-of-Words) to accurately capture question pair similarity.
 - Trained & optimized multiple ML models (Random Forest, XGBoost, Logistic Regression) with hyperparameter tuning (RandomizedSearchCV), achieving 79% accuracy on unseen question pairs .
 - Designed and deployed a full-stack ML project on Render with scalable data processing and model training pipeline.
- **Project B: [EduVerse - Full Stack Digital Learning Platform]** Dec, 2025
Tools: [MERN Stack]
 - Developed a educational platform to bring YouTube educators and their content to a dedicated space.
 - Built an affordable, ad-free, distraction-free platform enhancing students' learning experience.
 - Configured authentication using JWT and Bcrypt, and established a modular Express.js + MongoDB backend with REST APIs, Mongoose models, and Multer for video metadata handling.
 - Architected a responsive React/Redux frontend with Tailwind CSS, ensuring seamless state management and intuitive UI/UX across devices.
- **Project C: [Campus Trade - Full Stack Buy & Sell Platform]** Feb, 2026
Tools: [MERN Stack]
 - Developed an full-stack web application for students to buy, sell, and exchange items within their college campus.
 - Designed a responsive UI using React.js and Tailwind CSS, ensuring smooth navigation and usability
 - Created secure REST APIs with Node.js, Express.js, and MongoDB/Mongoose for efficient data handling

SKILLS

- **Specialization** : [Artificial Intelligence]
- **Programming Languages** : [Java, C++, Python, C, JavaScript, SQL, HTML, CSS]
- **Frameworks & Libraries** : [React.js, Express.js, Redux, Tailwind CSS, Mongoose]
- **Databases** :[MySQL, MongoDB]
- **Tools** : [VS Code, Postman, GitHub, Jupyter ,Google Colab, Docker]

CERTIFICATIONS

- **Data Analyst**, Micorsoft
- **Python Essentials 1**, Cisco
- **Ministry Of Defence**, National Cadet Corps (B and C) Certificates
- **Java Basics**, HackerRank
- **DSA with Java**, Apna College

ACHIEVEMENTS

- Awarded **Best Cadet by Colonel, 9 MP Battalion**; demonstrated strong leadership by **commanding 600+ students in camps**, ensuring discipline, coordination, and effective team management.
- Completed Data Structures and Algorithms in Java with hands-on implementation
- Solved 200+ problems on LeetCode
- Secured All India Rank (AIR) 790 in NIMCET 2024, placing in the top 1% nationwide