Komal Pandey

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Education

Indira Gandhi Delhi Technical University For Women, MCA   Aug 2023 – June 2025
- CGPA: 9.14

University of Delhi, BSc(H) in Computer Science   Nov 2020 – June 2023
- CGPA: 8.31

Skills

- Languages : Java,Python
- Frontend : HTML, CSS, Javascript, React
- Backend : Node.js, Express.js
- Database : SQL,MongoDB
- ML/AI : YOLOv5,YOLOv8,YOLOv11,OpenCV
- Developer Tools : Git, Github

Projects

Memories|MERN Stack (MongoDB, Express.js, React.js, Node.js)   Link
- Developed a full-stack web application that allows users to securely log in, add daily journal entries with photos and notes, and revisit them using a calendar or search functionality.
- Implemented JWT-based authentication, an intuitive UI, and seamless memory retrieval to enhance user experience and data security.

Comparative Study of YOLO Variants in Fire & Smoke Detection| YOLO,Python   Link
- Built object detection models to identify fire and smoke in images/videos using YOLOv5, YOLOv8, and YOLOv11.
- Trained on public datasets from roboflow, visualized real-time detections, and benchmarked models on precision, recall, and inference speed.

MuKo ID Card Generator| HTML, CSS, JavaScript, Node.js, Express.js, MongoDB   Link
- Developed a web app to automate university ID card generation with automatic form validation and user-friendly input.
- Ensured smooth database integration and reduced processing delays/errors in traditional workflows.

Certifications and Achievements

- Solved over 600 problems involving Data Structures and Algorithms
- Summer Internship on MERN Technologies by Anveshan Foundation.
- Ranked in top 5% in the Intro to C Programming course hosted by NPTEL.
- Mentee in Flutter Program,GDSC IGDTUW
- Web Development Team,Associate, Taarangana IGDTUW,Delhi

Coursework

Computer Networks, Database Management Systems, Operating Systems, Software Engineering, Data Structures,Machine Learning,Internet Technologies