

Manikandan M

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LINKS	LinkedIn , github			
PROFILE	Aspiring software developer with foundational knowledge in web development and programming languages including Java, Python, and SQL. Proficient in HTML, CSS and JavaScript, I specialize in creating user-friendly web applications. I am eager to begin my career at a reputable company where I can learn, grow, and contribute to real-world projects through my skills and dedication.			
EDUCATION				
Jul 2021-May 2025	B.E Computer Science Engineering, J.N.N Institute of Engineering	Chennai		
	I proudly completed my degree with a distinguished CGPA of 8.0.			
Jun 2020-Apr 2021	HSC, Radiance Matriculation Higher Secondary School	Chennai		
	I achieved an 85% in my HSC exams.			
Jun 2018-Apr 2019	SSLC, Radiance Matriculation Higher Secondary School	Chennai		
	I achieved 79% in my SSLC exams.			
SKILLS	Java	Experienced	React	Skillful
	SQL	Experienced	Spring Boot	Skillful
	Python	Skillful	JDBC	Skillful
	HTML&CSS	Experienced	Java Servlet	Skillful
	JavaScript	Experienced	Git & GitHub	Skillful
COURSES				
Jan 2025 - May 2025	Java, QSpiders			
Dec 2024 - Feb 2025	SQL, QSpiders			
Jul 2024- Aug 2024	Python for Data Science, NPTEL			
May 2024 - Jul 2024	Full Stack Web Development MERN Stack, PrepInsta			
Jun 2023 - Jul 2023	HTML&CSS, Guvi			
PROJECTS				
Feb 2025 –Apr 2025	Next Generation Classroom Management for Enhanced Learning Environment			
	<ul style="list-style-type: none">Designed and developed a smart classroom management system integrating Flask (Python), MySQL, and HTML/CSS/JavaScript for seamless user interaction.Implemented automated attendance tracking using YOLOv8 (face detection) and DeepFace ArcFace (face recognition), achieving real-time multi-face recognition with >80% accuracy.			

- Added QR code–based attendance module as an alternative to facial recognition for flexibility and redundancy.
- Built leave and on-duty (OD) request system, enabling students to apply digitally; system auto-updates attendance records upon teacher approval.
- Developed task and homework management module, allowing teachers to assign tasks and deadlines while enabling students to upload submissions and track progress
- Integrated Zoom API for online class scheduling and virtual meeting creation directly within the platform.
- Designed a role-based authentication system (student, teacher, admin) with secure login using Flask sessions and custom user models

May 2024 – Jul 2024

Business Contract Validation

- Engineered an AI-driven system to automate validation and extraction of key clauses from business contracts, minimizing manual legal review.
- Leveraged transformer models (BERT) and BART summarizer for semantic understanding and spaCy rule-based NLP for entity and clause detection.
- Implemented robust data preprocessing pipelines (tokenization, lemmatization, stop-word removal) to handle unstructured legal text.
- Trained and fine-tuned models on contract datasets, achieving 85% clause classification accuracy.
- Built and deployed a Flask REST API to serve models for real-time clause validation and extraction.
- Developed an interactive React frontend enabling users to upload contracts, view extracted clauses, and validate results seamlessly.
- Optimized backend performance with efficient API routing, batch processing, and logging to handle large-scale contracts.

LANGUAGES

English	Highly proficient	Malayalam	Native speaker
Tamil	Native speaker		

INTERNSHIPS

May 2024 - Jul 2024

Intel Unnati Industrial Training

- Worked on a project titled "Business Contract Validation using NLP".
- Used BERT, spaCy, and BART for entity extraction and summarization.
- Integrated the model with a Flask backend and created a simple React interface.
- Gained hands-on experience in team collaboration, API development, and model deployment.

DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge & belief.