KIRTI PORWAL

kirtu1431@gmail.com | +91 8273880308 | kirti-porwal

EXPERIENCE

FULL STACK DEVELOPER INTERN (Pedestal Techno World Pvt. Ltd.)   **JULY 2024 - DECEMBER 2024**

Proctored Quiz Web Application | JavaScript, HTML, CSS, PHP, MySQL, XAMPP -*link*

- Built a secure quiz platform with real-time proctoring, allowing instructors to manage quizzes and students to take them fairly.
- Created an instructor dashboard where teachers can add, edit, and manage quizzes with full CRUD support.
- Set up a local backend on XAMPP to connect PHP with MySQL and make testing easy.
- Added lightweight proctoring features like face detection and activity tracking to simulate live exam monitoring.
- Created a responsive front-end interface with simple navigation and cross-device compatibility to ensure a smooth experience for both instructors and students.

PROJECTS

Smart Resume Analyzer & Job Matcher | Python, NLP (SpaCy), TF-IDF, Streamlit -*link*

- Built an AI-driven tool that reads resumes, pulls out key skills using SpaCy, and matches them to job descriptions with TF-IDF and cosine similarity.
- Created personalized match scores and feedback to mimic how ATS systems screen candidates, helping users see how well they fit a role.
- Designed an easy-to-use Streamlit app that lets users analyze keywords and see their scores in real time.
- Developed modular backend features for parsing resumes (PDF/DOCX), extracting skills, and matching candidates to jobs based on specific roles.

Daily DSA Challenge | React.js, Recharts, CSS, Confetti.js -*link*

- Developed a web app that gives users fresh coding challenges every day, letting them pick topics and difficulty levels, plus offering hints and estimated times to solve each problem.
- Created a progress tracker inspired by GitHub and LeetCode, complete with charts that show how often users practice and which topics or difficulties they focus on most.
- Made the experience more fun and motivating by adding features like daily quotes, confetti effects for achievements, and a dedicated page to track progress over time.
- Used React hooks (like useState and useEffect) for managing app state, and built the app with modular components to keep it organized and easy to expand.

Automated Performance Evaluation for EEG based Driver Fatigue Detection | Machine Learning in MATLAB (RESEARCH) -*link*

- Tested several machine learning models—KNN, SVM, and Decision Tree—on EEG data to detect driver fatigue, focusing on how well each model could identify patterns linked to tiredness.
- Applied feature selection methods like Chi2, MRMR, and ReliefF to narrow down the most relevant brainwave signals, improving model accuracy and reducing noise.
- Compared the performance of each model through detailed analysis, then shared insights in technical reports and presentations to support safer driving technologies.

EDUCATION

BANASTHALI VIDYAPITH (TONK)
BACHELOR OF TECHNOLOGY (COMPUTER SCIENCE & ENGINEERING)   **JULY 2021 - JUNE 2025**
CGPA: 7.93

BANASTHALI VIDYAPITH (TONK)
SENIOR SECONDARY SCHOOL   **JULY 2020 - JUNE 2021**
94.2%

KANHA INTERNATIONAL ACADEMY (AURAIYA)
SECONDARY SCHOOL EXAMINATION   **APRIL 2018 - MAY 2019**
79.6%

SKILLS

- **Languages:** C/C++, JavaScript (React.js), Python (Streamlit, NLP, TF-IDF), SQL, HTML, CSS
- **Frameworks/Tools:** React.js, Bootstrap, WordPress, MATLAB (ML, Signal Processing), Streamlit (AI/ML apps), XAMPP, VS Code
- **Concepts:** Data Structures & Algorithms, OOPS, DBMS, AutoCAD
- **Certificates:** Ideathon, DewTown, AI for All, MyCaptain, IEEE Region 10

CERTIFICATIONS

- Participated in the Reskill Ideathon and IEEE Conference on emerging technologies.
- Attended a workshop on Artificial Intelligence & Machine Learning by Mr. Charan R. Nagraj.
- Volunteered as part of the Discipline Team at Mayukh Tech Fest.
- Published research paper titled "Automated Performance Evaluation for EEG-Based Driver Fatigue Detection" in IEEE Region 10.

EXTRACURRICULAR

- Completed Prathama and Madhyama in Vocal Music.
- Completed the RajyaPuruskar and achieved the Nipun award for excellence in scouting.