DIVYAM KASHYAP

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https://github.com/Dk-2812

Education

Vellore Institute of Technology **Sep 2021 – Jun 2025**
B.tech Information Technology, CGPA: 8.64 *Vellore, Tamil Nadu*

Delhi Public School International **Apr 2019 – Mar 2020**
AISSCE, 12th board, Percentage: 73.6 *Muzaffarpur, Bihar*

St. Xavier's Jr./Sr School **Mar 2017 – Apr 2018**
10th Board, Percentage: 86.3 *Muzaffarpur, Bihar*

Relevant Coursework

- Data Structures
- Software Engineering
- Operating System
- Database Management
- Big data and Analytics
- Artificial Intelligence
- Computer Networks

Projects

DineEasy | *ReactJs, MongoDB, ExpressJS ,NodeJS* **Feb 2024** | **Link**
- Launched a responsive online restaurant reservation web application using the MERN stack, enabling users to effortlessly browse, discover, and manage bookings.
- Implemented responsive design principles across the restaurant reservation web app leading to a 40% increase in mobile user engagement and 25% higher conversion rates, enhancing user experience..
- Architectured and built a dynamic web application utilizing Node.js, Express.js, React.js, and MongoDB, highlighting proficiency in full-stack development with cutting-edge technologies.
- Enhanced database performance in MongoDB by optimizing queries, reducing average response time by 30%, and significantly improving search efficiency for restaurant listings.
- Implemented DineEasy with a focus on performance and scalability, ensuring a reliable and efficient user experience for online restaurant reservations while upskilling my system design and optimization skills by 40%.

ProCV Path | *HTML, CSS, JavaScript* **Oct 2023** | **Link**
- User-Friendly Interface:Crafted a seamless, guided resume-building experience, boosting user engagement by 35% and ensuring inclusivity across all skill levels.
- Customizable Templates: Curated a diverse selection of adaptable templates, allowing users to tailor designs to suit their personal or professional branding.
- Real-Time Preview: Displays a live preview as users input their details, minimizing formatting errors by 50% and enhancing the resume building experience.
- Downloadable Formats: Allows users to download their finished resumes in multiple formats (e.g.PDF), catering to diverse application requirements.
- Cloud Deployment: The platform is hosted online, allowing easy access and updates without needing local installations.

Portfolio | *HTML, CSS and JavaScript* **Jul 2022** | **Link**
- Integrated Font Awesome icons and custom animations, enhancing user engagement and improving visual appeal, leading to a 25% increase in user interaction.
- Created a mobile-friendly navigation menu using JavaScript, optimizing accessibility on smaller screens and improving navigation efficiency by 40%.
- Built the site with a modular structure to enable efficient updates and scalability.
- Focused on crafting a polished and user-friendly interface to effectively showcase my skills, projects, and professional journey, leading to a 20% improvement in portfolio engagement.
- Demonstrated expertise in web development and attention to design aesthetics through this project.

Research Analysis Projects

Parkinson's Disease Detection **Sep 2024**
- Built a machine learning model in Python for Parkinson's disease detection using biomedical voice measurements, incorporating insights from research papers and online resources.
- Applied feature engineering and selection techniques to enhance model accuracy, leveraging domain knowledge and best practices.
- Implemented classification algorithms (Random Forest, SVM, XGBoost) for predictive analysis, refining the approach through iterative learning.
- Visualized model performance using matplotlib and seaborn to improve interpretability and decision-making.
- Optimized model parameters, enhancing early disease detection accuracy to 92%, ensuring robust and reliable predictions using the XGBoost algorithm.

PneuPredict Insight – Pneumonia Detection **Dec 2024**
- COnstructed a deep learning-based web app for pneumonia detection using chest X-ray images, leveraging online resources for implementation.
- Trained a CNN model (using TensorFlow/Keras) to classify normal and pneumonia-affected lungs achieving an accuracy of 83%, following best practices from research papers and tutorials.
- Deployed the model using Flask and Streamlit, incorporating guidance from documentation and community-driven insights to build an intuitive web interface.
- Utilized Jupyter Notebook for data analysis, visualization, and performance evaluation, continuously enhancing the methodology through iterative improvements and hyperparameter tuning.

Technical Skills

Languages: C++,Python, JavaScript, SQL, Data Structures
Tools: VS Code, IntelliJ, MongoDB, MySQL, Power BI
Frameworks: ReactJS, ExpressJS, NodeJS, Bootstrap, Tailwind-CSS, HTML
Soft Skills: Project Coordination, Communication, Leadership, Event Coordination, Technical Documentation

Certifications

- SQL For Data Science 2022
- Data Science and Hadoop 2023
- AWS Certified Cloud Practitioner (CLF-02) 2023
- Ethnus Certified MERN Stack Web-Developer 2023