ALEENA KHAN

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EDUCATION

Vellore Institute of Technology   **Bhopal, Madhya Pradesh**
Bachelor of Technology in Computer Science and Engineering   *October 2022 onwards*
Computer Science Engineering
CGPA : 8.73/10

SKILLS

Languages: C++, Python, C, SQL, JavaScript.
Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Pytorch, OpenCV, Pandas, Matplotlib.
Frameworks and Tools: PostgresSQL, Nodejs , Linux, Postman, Jupyter Notebooks, Google Collab, Github - React, Express.
Coursework: Database Management System, Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Machine Learning, Data Analytics.

PROJECTS

Smart Irrigation System
Smart Automation: *June 2024 – Present*
- Designed a smart irrigation system using IoT sensors and machine learning, optimizing water usage by 30% and increasing crop yields by 20%.
- Configured a web-based interface for real-time monitoring and control, enabling farmers to reduce water wastage by 25% through actionable irrigation recommendations.
- Integrated multiple public APIs for real-time soil moisture and weather data analysis, enhancing irrigation efficiency by 40 % and reducing manual intervention by 50%.
- Python, Jupyter Notebooks, Scikit-learn - Arduino, Sensors, Arduino IDE, Relay Module.

Bitebook: Food service app
Web development: *Oct 2023 – Jan 2024*
- Developed a platform for college canteen platform with real-time tracking and customizable pick-up/delivery options.
- Integrated user reviews and ratings to enhance food quality and service at VIT canteens, leading to a 25% improvement in customer satisfaction.
- Implemented a secure payment gateway using Razorpay, enabling seamless online transactions, resulting in a 30% increase in online orders.
- HTML, CSS, Javascript - JQuery, Firebase.

WORK EXPERIENCE

Bizprospex   Burhanpur
Web developer intern   *14 Nov 2024 – 14 Jan 2025*
- Created 2+ responsive and user-friendly websites, tailored to project requirements for an enhanced user experience.
- Optimized existing websites by implementing performance enhancements and functionality upgrades, resulting in a 40% reduction in load time and a notable increase in user satisfaction and retention.
- Collaborated with cross-functional teams to meet project objectives within deadlines, maintaining high-quality standards.

EXTRA CIRRICULARS

Entrepreneurship Cell   VIT Bhopal
Content Team Co-Lead   *Oct 2023 – Sept 2024*
- Directed the planning and implementation of E-Cell's content strategy, driving a 30% boost in event engagement and a 20% rise in social media reach within just 3 months.
- Optimized future content and boosted engagement by monitoring content performance through analytics.
- Managed a cross-functional team of 6 writers and designers, delivering 10+ high-impact campaigns and ensuring 100% on-time and quality-driven content delivery.

CERTIFICATIONS

- Cloud Computing – NPTEL
- Block chain basics – LinkedIn
- The complete web development Boot camp (Angela Yu) - Udemy