

# ALEENA KHAN

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## EDUCATION

### Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering  
Computer Science Engineering  
CGPA : 8.66/10

Bhopal, Madhya Pradesh

October 2022 onwards

## SKILLS

**Programming Languages:** Python, C++, JavaScript, SQL, C.

**ML libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Pytorch, Matplotlib.

**Tools and Platforms:** MLflow, MLOps, Databricks (learning), Jupyter Notebook, Google Colab, Git, Postman, Firebase, Arduino IDE.

**Web Technologies:** HTML5, CSS3, React.js, Axios, RESTful APIs, Node.js, Express.js

## 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

- Developed 2+ responsive, user-friendly web interfaces under the guidance of a senior technical team member.
- Enhanced platform performance by implementing frontend and backend optimizations, resulting in 40% faster load times and increased lead conversion.
- Worked closely with cross-functional teams including data mining and lead generation to ensure tools were aligned with real-time business data workflows.
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## 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 6 months.
- Optimized future content and boosted engagement by monitoring content performance through analytics.
- Managed a cross-functional team of 6 writers and designers, delivering 5+ high-impact campaigns and ensuring 100% on-time and quality-driven content delivery.

## CERTIFICATIONS

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- Cloud Computing – NPTEL
- Python Fundamentals – Great Learning Academy (Online)
- The complete web development Boot camp (Angela Yu) - Udemy