YASHNOOR GREWAL

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LinkedIn | GitHub | Codolio

EDUCATION

Vellore Institute of Technology (Aug, 2022 – Present)
    B.Tech. CSE | CGPA: 8.92

Shri Gulab Rai Montessori Sr. Sec. School (June 2022)
    Higher Secondary | Percentage: 92.40%

SKILLS

- **Languages:** Java, SQL, Familiar with Python, C++.
- **Web Technologies:** HTML5, CSS, Familiar with JavaScript, MongoDB, Express.js, React, Node.js.
- **Tools & Platforms:** IntelliJ IDEA, GitHub, MS Excel, Familiar with AWS Cloud Solutions.
- **Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming System, Problem-Solving.

PROJECTS

CropGuard – Crop Disease Detection (Oct, 2024 – April 2025)

- Engineered a deep learning web application employing Python and Django to identify crop diseases from leaf images, enabling early diagnosis, and targeted to minimize the loss of crops and plant life.
- Designed a fully responsive user interface utilizing HTML5 and CSS, achieving a decent cross-device compatibility rate, and improving user engagement and responsiveness.
- Integrated a Convolutional Neural Network model into the Django backend to enable image analysis and real-time crop disease prediction with 97% accuracy, enhancing the reliability and speed of diagnosis.
- Implemented a seamless workflow within the Django framework for handling image uploads, executing model inference, and rendering prediction results, streamlining the user experience, and minimizing latency.

RATIONSEVA (Feb, 2024 – May 2024)

- Transitioned the organization to a fully digital ration distribution system by developing an intuitive online interface, resulting in improved efficiency and security while enhancing accessibility for multiple users.
- Implemented a faster and more reliable digital ration system, reducing labor and overhead costs through automation and process optimization while ensuring scalability and real-time tracking.
- Partnered with cross-functional teams, including developers and management, to analyze project success metrics; identified areas for improvement that led to enhanced user satisfaction rates across the platform.
- Created a robust digital solution using Python and Django, designed to ensure seamless performance and high availability for concurrent users, even under peak-load environments.

ACHIEVEMENTS AND EXTRA-CURRICULARS

ACHIEVEMENT

- Secured a finalist position in HackVega, a nationwide hackathon, demonstrating acute critical thinking and rapid prototyping skills under pressure.
- Achieved an 'A' Grade with a score of 93% in the MERN Full Stack Certification Program from Ethnus, in association with VIT Bhopal.
- Secured an 'A' Grade with a score of 90% in the AWS Solutions Architect - Associate Certification Program from Ethnus, showcasing proficiency in cloud solutions.

EXTRA-CURRICULAR

National Service Scheme, VIT Bhopal University

- Spearheaded planning for women's empowerment events during "International Women's Day," resulting in increased local participation and heightened awareness of gender equality issues among villagers.
- Impacted the residents with a skit that promoted gender equality and social change by bringing attention to women's rights, equality, and empowerment.

ADDITIONAL INFORMATION

- **Interests:** Gaming, Football, Motorsports Racing, Listening Music, Tech Trendy.
- **Languages:** English (Professional working proficiency), Hindi, and Punjabi (Native or bilingual proficiency).