YASHNOOR GREWAL

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LinkedIn | GitHub

EDUCATION

VIT Bhopal University (Aug, 2022 – Present)
   B.Tech. CSE(Core) | CGPA: 8.91

Shri Gulab Rai Montessori Sr. Sec. School (June 2022)
   Higher Secondary | Percentage: 92.4%

SKILLS

- Java, C++, MySQL, MS Excel, Python, Familiar with AWS (S3, EC2, Lambda, DynamoDB).
- HTML5, CSS, JavaScript, Familiar with MERN (MongoDB, Express, React, Node.js) Full Stack.

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 projected to minimize crop loss by an estimated 35-40%.
- **Designed a fully responsive user interface utilizing HTML5 and CSS**, achieving a 90% cross-device compatibility rate, and improving user engagement.
- **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 user accessibility for over 100 users.
- **Implemented a faster and more reliable digital ration system**, reducing labor and overhead costs by 45% 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 3 key areas for **improvement that led to enhanced user satisfaction rates across the platform**.
- **Created and deployed a robust digital solution using Python and Django**, achieving 90% uptime while ensuring scalability for over 100 concurrent users in high-load environments.

EXTRA-CURRICULARS AND ACHIEVEMENTS

ACHIEVEMENTS

- **Completed a 100-day Java coding challenge**, mastering advanced data structures and algorithms by solving complex LeetCode problems, and achieving a success rate of over 90%.
- **Achieved a top 2% rank** in the **NPTEL** Cloud Computing exam, demonstrating expertise in technologies and academic excellence.

EXTRACURRICULAR

- **National Service Scheme - VIT Bhopal University** – Spearheaded planning for women's empowerment events during **"International Women's Day,"** resulting in increased local participation by 40% and heightened awareness of gender equality issues among villagers.
- Impacted more than 100 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).

CODING PROFILE

   LeetCode