YASHNOOR GREWAL

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LinkedIn | GitHub

EDUCATION

VIT Bhopal University **(**August, 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).
- HTML, CSS, JavaScript, Familiar with MERN (MongoDB, Express, React, Node.js) Full Stack.

PROJECTS

AI-Based Quiz Engine (Aug, 2023 – Oct 2023)

- **Developed an AI-powered quiz engine** that automated question generation from user-defined prompts, improving efficiency and streamlining processes, resulting in a 30% increase in student engagement during learning sessions.
- **Constructed a detailed knowledge base** encompassing around 100 topics in Physics, Chemistry, and Mathematics; improved system performance by decreasing question generation time from 10 minutes to just 2 minutes per query.
- **Engineered an innovative system using Python** and machine learning techniques for automated content creation; achieved a 40% reduction in question generation time while ensuring scalability across diverse educational topics.
- **Optimized workflow automation**, reducing manual effort by 70% and ensuring 99% accuracy in generated questions, leading to a 50% increase in efficiency and streamlined operations.

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

- Engaged in a disciplined **100 Days of Code** challenge centered on Java and Data Structures & Algorithms, while building a strong foundation in algorithmic thinking and strengthening analytical skills and coding proficiency.
- **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