Deep Rana

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EDUCATION

DePaul University   Sep. 2021 – June 2025
Bachelor of Science in Computer Science; minor in Data Science   *Chicago, IL*
- GPA: 3.3
- Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Data Analysis & Regression etc.

EXPERIENCE

Information Technology Technician   June 2022 – Aug. 2022
SONOVA GROUP USA   *Aurora, IL*
Executed a range of technical tasks, including inspecting electronic hearing aid devices, managing order entries, and quality assurance.
- Conducted hands-on diagnostics and maintenance of hearing aid devices, ensuring functionality and reliability.
- Managed order entry processes and contributed to streamlining workflows for device processing.
- Assisted with the integration and troubleshooting of behind-the-ear devices, FM technology, and other hardware components.
- Supported invoicing and pre-invoicing processes, ensuring accurate documentation and compliance with quality standards.

PROJECTS

Backend for Search Engine | *Python*   Oct. 2023 – Nov. 2023

Collaborated within a team to develop backend code for a sophisticated search engine using Python. Contributed to the design and implementation of efficient algorithms for indexing and querying large datasets, enhancing search functionality, and optimizing performance. Worked closely with teammates to integrate various components seamlessly, ensuring robustness and scalability of the search engine.

Stock Exchange Trading System | *Java*   Jan. 2024 – May 2024

Designed and implemented a professional-grade object-oriented trading system utilizing various design patterns, featuring precise price management, comprehensive trading operations, user and product management, and real-time market data publication.

Student Rental & Marketplace Web App | *Python/Django, PostgreSQL, Docker, Git*   Jan. 2025 – Present

Collaborated with a team to develop a web platform enabling students to rent and list housing and school supplies, and find roommates based on preferences. Designed features for authentication, search, and filtering to enhance user experience while managing backend data models and system functionality for seamless transactions.

E-Portfolio Website (https://dranaportfolio.netlify.app) | *HTML, CSS, JavaScript*

Creating an e-portfolio website with HTML, CSS, and JavaScript to provide information on myself, and my resume, as well as showcase projects/achievements. Incorporating interactive features for enhanced user experience.

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, Django, C/C++, HTML/CSS, JavaScript, SQL, R, Kotlin
Other: Microsoft Office (Word, PP, Excel), PyCharm, IDLE, V.S. Code, Java Eclipse, Oracle SQL Developer, Visio, Android Studio, Docker, Git

OTHER SKILLS

- Strong critical and analytical thinking skills
- Ideal observation and listening skills
- Articulate communication skills
- Fluent in Gujarati language
- Project management
- Experienced in software testing