Hemkesh V Kantawala *Student*

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🔗 https://hemkeshkantawala11.github.io/portfolio/

in https://www.linkedin.com/in/hemkesh11/

○ https://github.com/hemkeshkantawala11

⚔ https://leetcode.com/u/Hemkesh_kantawala/

Education

BS + MS in Computer Science
Scaler School Of Technology ⊡
07/2023 – 2027 | Bengaluru
CGR : 8.6 - Top **5%** of the Batch.
Achievements : Secretary At Student Council.

BSc in Computer Science
Birla Institute Of Technology And Science - Pilani ⊡
07/2023 – Present
CGR : 9.5 (First Semester) (Top **1%** of the Batch)

Skills

Programming Languages
Python, Java, C, HTML, CSS & Javascript.

Libraries & Frameworks
Spring Boot, Node JS, React JS,

Data Analysis
Numpy, Pandas, MatPlotLib, Scipy.

Tools
AWS, Jetbrains, Git, Github, SQL.

Miscellaneous
DSA, Shell Scripting, Linear Algebra, Stock Market & Team Management.

Projects

LAN Monopoly Game ⊡
Technologies: *Python, Socket, Tkinter, Threading*
- Designed and implemented a multiplayer Monopoly game, enabling up to 6 players to connect and play simultaneously over LAN.
- Utilized object-oriented programming to manage over 20 different game objects (players, properties, board elements).
- Managed game state with an in-memory database, ensuring real-time updates and smooth gameplay.
- Created a GUI with Tkinter, resulting in an intuitive and interactive gameplay experience for users.

Yulu Company Data Analysis ⊡
Techologies/Skills : Python, colab, numpy, hypothesis testing, Statistics.
- **Analyzed Factors Influencing Demand**: Investigated key variables affecting the demand for Yulu's electric cycles using a comprehensive dataset.
- **Performed Data Cleaning and Preprocessing**: Ensured data quality by handling missing values and categorizing columns effectively.
- **Conducted Univariate and Bivariate Analysis**: Utilized statistical methods and visualizations to understand trends and relationships within the dataset.
- **Hypothesis Testing**: Evaluated the impact of working days on cycle rentals using z-tests and t-tests, confirming statistical significance.

Hospital Patient Management System
Technologies: *Java, Spring Boot, SQL, REST APIs, NoSQL & MongoDB..*
- Designed and implemented a Spring Boot & Express backend application to manage over 1,000 patient histories and help the doctors.
- Created RESTful APIs for querying patient and doctor data, improving data access efficiency by 50%.
- Utilized NoSQL for database management, achieving a query response time of under 200ms.

Price Comparator
Technologies: *Python, Selenium, Chrome Driver.*
- Built a console-based application using Selenium to scrape product data from Amazon and Flipkart.
- Enabled user input to search for products on 2 major e-commerce websites, improving search efficiency by approximately 70%.
- Extracted and displayed detailed product information in a tabular format, processing and presenting data within 10 seconds.
- Automated web scraping and data extraction processes, achieving an accuracy rate of 95% and reducing manual data collection time by 80%.

Volunteering Experiences

10/2023 – present
Bengaluru, India
	General Secretary, Student Council
	Scaler School Of Technology
	Key Responsibilities :
	  - Organized and managed council meetings, maintaining detailed records and minutes.
	  - Facilitated effective communication between council members and the student body.
	  - Developed strong organizational and leadership skills through active involvement.