VEDANG PANDEY

Gidderbaha, Shri Muktsar Sahib, Punjab

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Technical Skills

Languages: Java,Python, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Amazon Web Services
Technologies/Frameworks: Linux, Reactjs, Nodejs, git, Docker, GitHub

TRAINING/INTERNSHIP

Solving CP Using Data Structures — Summer Training   **June 2023 - July 2023**
HRDC, LPU   *Phagwara, Punjab*

- Developed an Algorithm Simulator to Enhance algorithm efficiency, validate correctness, and evaluate scalability using visualizations in controlled simulations for informed deployment decisions.
- Construct a desktop application which simulate all kind of algorithm at each iteration that helps you to understand how the algorithm actually work
- Utilized Jenkins to provide a continuous integration service in order to automate the entire process of loading the latest build code and test files, running the tests, and generating a report of the results once per day.
- Learnt all kind of algorithms complex cp problems and problem-solving skills.

Projects

Treasure Hunter Game | *Java,MySql Workbench,Swing, AWT, Imageio*   **April 2024**
- ∗ Implemented a core game loop using Java for smooth gameplay mechanics. Designed and animated player and environmental sprites using for an engaging visual experience.
- ∗ Programmed a robust collision checker to ensure accurate interactions between the player, objects, and the environment.
- ∗ Placed objects strategically within the world and facilitated player interaction with them for puzzle-solving and progression.

Chat Application | *Nodejs, Reactjs, Socket.io, JWT, MongoDB, TailwindCSS, Zustand*   **May 2024**
- ∗ Designed and implemented a real-time chat application with secure user registration and login system.
- ∗ Integrated Socket.io for real-time messaging, ensuring efficient and interactive user communication.
- ∗ Developed a persistent message storage system using MongoDB, enabling reliable conversation history retrieval.

Realtime CI/CD Pipeline | *AWS, Docker, Kubernetes, Jenkins, Sonarqube, Nexus, Maven, Trivy*   **April 2024**
- ∗ This project aimed to automate the software development lifecycle, enhance code quality, and streamline deployment processes.
- ∗ Containerized applications using Docker, facilitating consistency across multiple environments and simplifying the deployment process. Later Deployed it on kubernetes.

ACHIEVEMENTS

Ranked 2nd at ThinkBots |
- ∗ A quiz contest where only top 10 participants of there own class were allowed to participate.

Leetcode rating of 1550 |
- ∗ A consistent participant of leetcode weekly getting my ratings up consistently.

Among dean's top 10% students at university |
- ∗ Recognized among the top 10% students at the university for outstanding academic performance

Among the top 135 students at the university |
- ∗ Among the special batch of students selected for competitive programming.

Over 500+ questions on Leetcode |
- ∗ Solved a diverse range of over 500 questions on Leetcode, earning recognition with 5+ badges and demonstrating proficiency in solving complex problems.

Education

Lovely Professional University   **August 2022 – Present**
Bachelor of Science in Computer Science: CGPA: 8.48   *Punjab, India*

Lovely Professional University   **August 2019 – July 2022**
Diploma in Computer Science Engineering: CGPA: 8.94   *Punjab, India*

Malwa School Gidderbaha   **April 2018 – March 2019**
Matriculation:Percentage - 82.6%   *Punjab, India*