KUSHWANTH MASUPALLI

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Executive Summary

I am a B.Tech student at VIT-AP University with a CGPA of 9.02, passionate about software development and backend engineering. With hands-on experience in building impactful projects — including a face recognition application using python and Query vault using vector databases and JavaScript — I have strengthened my skills in Node.js, Java, Python, MySQL, and data structures and algorithms. My problem-solving abilities are highlighted by my competitive programming journey, ranking in the top 6.9% on LeetCode with 475+ problems solved. Eager to contribute to innovative backend solutions and optimize system performance.

Skills

* **Programming Languages:** Java, JavaScript
* **Web Development:** Node.js, Express.js, Spring Boot(beginner)
* **Problem Solving:** Data Structures, Algorithms, Competitive Programming (LeetCode,GeeksForGeeks)
* **Tools & Technologies:** Git, Postman
* **Databases :** MySQL, MongoDB

Projects

* **Face Recognition Attendance System** — Developed a face recognition-based attendance system, leveraging machine learning algorithms to automatically detect and mark attendance, streamlining the process for improved accuracy and efficiency.
* **Query Vault –** An intelligent document QA system that enables users to query large collections of contracts and documents. Built with NLP, embeddings, and a vector database, it delivers ~40% higher accuracy and 60% fewer hallucinations compared to normal chatbots, ensuring precise and efficient information retrieval.

Achievements

* Ranked in the **top 6.9%** on LeetCode, solving a wide range of data structure and algorithm problems.
* Solved **475**+ problems on LeetCode, with a ranking of 167,011.
* Solved 300+ problems on geeks for geeks

Education

* **VIT-AP University** — B.Tech (Ongoing)  
  CGPA: 9.0(after 4 semesters)
* **Narayana Junior College** — Intermediate  
  Percentage: 98.3%

Social Media profiles

* Git hub : <https://github.com/kushwanth-masupalli>
* Leetcode : <https://leetcode.com/u/kushwanth2005/>