





Govind Mohan Shah

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Summary

Highly adaptable Front-end developer with a sharp eye for detail and a talent for tackling challenges. Currently pursuing a Bachelor's in Computer Science, Proficient in a wide range of skills including problem-solving, collaboration, and effective communication.

Education

SRM University AP

Bachelor of Technology in Computer Science (CGPA: 8.77 till 4th semester)

Expected August 2026

Vijaywada, Andhra Pradesh

- **Relevant Coursework:** Data Structures and Algorithms (C++), Design and Analysis of Algorithm (DAA), Object Oriented Programming (C++), Database Management System(DBMS), Web Technology, Prob & Stat in CS (Python), Linear Algebra, Computational Applications (Python), Operating System, Computer Network

Technical Skills

Languages: C, C++, Python, Javascript

Technologies: React.js, Express.js, jQuery, TailwindCSS, Node.js, MongoDB, MySQL, HTML, CSS, Git/Github

Concepts: Algorithms and Optimization, Artificial Intelligence, Machine Learning, API, Database Normalization, Compression and Decompression,

Projects

Note Me | [React.js](#), [Firebase](#), [Pdf.js](#), [Multer](#), [Judge0 Api](#), [OpenAI Api](#), [Cloudinary](#), [Monaco react editor](#), [Express](#), [Node.js](#), [MongoDB](#), [Link](#)

- Engineered and launched Note Me, a comprehensive MERN stack platform for CSE students to access previous exam papers, PDF handwritten notes, and a complete list of CSE topics, making it a one-stop solution for essential study resources.
- Deployed Firebase Authentication to manage user accounts securely and track real-time usage, offering insights into the number of active users and ensuring a seamless login experience.
- Integrated an advanced online compiler using Judge0 and Monaco React Editor, supporting over 20 programming languages, empowering students to write, compile, and execute code directly within the platform, enhancing interactive learning and practical coding skills.
- Implemented AI-driven flashcards using the OpenAI API, dynamically generating questions from student-provided study materials to offer personalized revision tools and help students assess their knowledge effectively.

Efficient gene selection from microarray using Machine Learning | [Python](#), [Scikit-learn](#), [Numpy](#), [SVM](#), [KNN](#), [Confusion matrix](#) [Link](#)

- Utilized machine learning algorithms to identify crucial genes in biology, improving accuracy, sensitivity, and specificity for better insight into biological phenomena.
- Implemented a filter method approach for gene selection, enhancing efficiency. Employed K-Nearest Neighbors (KNN) and support vector machine (SVM) algorithms as fitness functions, optimizing gene subset identification for improved predictive accuracy.

Huffman Coding Compression and Decompression | [Python](#), [Data structure and algorithm](#) [Link](#)

- Demonstrates file compression and decompression using Huffman coding algorithm in Python.
- Utilizes Python for implementation, showcasing proficiency in algorithms and data structures.
- Proficient in optimizing file size, achieving reductions of 60-70% in total file write volume.

Experience and Achievements

Smart India Hackathon

2023

Frontend(HTML, CSS, Javascript, Pandas, Python, Gradient boosting, Random forest, Logistic regression)

- Successfully participated in Smart India Hackathon 2023, focusing on problem statement SIH 1454, and secured selection by the university during the college-level internal hackathon
- Developed a browser extension, which efficiently determines whether a given link is associated with phishing activities, enhancing online security measures.

Geekathon 1.0 [Link](#)

2023

Frontend and backend team (HTML, CSS, Javascript, Rapid Api)

VIT AP, Vijaywada

- Participated in Geekathon (Hackathon organized by VIT AP). Built Travel Itinerary webpage
- Offering a user-friendly platform, we empower travel enthusiasts to effortlessly explore, customize, and optimize their journeys without the need for costly travel agency services.

Research Paper on gene selection

2024

Research (Overleaf, Matlab, Python, AI/ML, SVM, NB)

SRM University AP, Vijaywada

- Currently, actively engaged in the research paper on gene selection utilizing microarray technology, under the mentorship of a Computer Science and Engineering professor from my university. This project aims to advance the understanding and application of computational biology by identifying key genetic markers.