ROHITH M

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EDUCATION

Amrita Vishwa Vidyapeetham, Coimbatore | *2021 - Present*
Bachelor of Technology, Computer Science & Engineering | CGPA: 8.42

Bharatiya Vidya Bhavan, Thrissur | *2019 - 2021*
Higher Secondary | CBSE: 95.4%

EXPERIENCE

[SAP](#) | Invoice Extraction with GenAI | [GitHub Link](#)   *February 2024 – April 2024*
React | FastAPI | PostgreSQL   *Remote*
- Designed and developed responsive UI pages in React.js for login, uploading/auto-filling, profile management, invoice status tracking, and manager dashboard.

PROJECTS

Fake News Detection | Machine Learning | React | Flask | [GitHub Link](#)

- Developed a real-time fake news detection system using Flask for the backend and React for the frontend.
- Implemented machine learning models, including Logistic Regression, Decision Tree, and Random Forest, achieving over 98% testing accuracy.
- Designed and integrated RESTful APIs for efficient data processing and seamless communication between the frontend and backend.

Interactive Text-to-Image Bot | React | Flask | Hugging Face API | [GitHub Link](#)

- Implemented an interactive text-to-image bot using Flask for backend services and React for the user interface.
- Integrated Hugging Face's Stable Diffusion model, achieving an average image generation time of under 5 seconds per request.
- Designed and implemented RESTful APIs with an error rate of less than 1% for smooth communication between frontend and backend, ensuring a responsive user experience.

Spelling Checker | Python | Trie | Hashing | [GitHub Link](#)

- Developed a spelling checker and suggestion system using Trie and hash table for word validation in user inputs and files.
- Implemented a dynamic spelling suggestion system that offers up to 5 relevant corrections, leveraging a hash table for efficient storage and enhancing user experience.
- Designed a reliable hashing mechanism, ensuring data integrity and enabling fast suggestions within the system, improving speed by up to 50%.

SKILLS

- **Areas of Interest**: Operating System, Object Oriented Programming
- **Languages**: Python, C++, C, Java, HTML, CSS, JavaScript, React, SQL, Haskell
- **Tools & Technologies**: VS Code, Jira, Git, Keil, Google Colab, Wireshark, Canva

ACHIVEMENTS

- Google | Crash Course on Python | Course Completion Certificate | [Link](#)
- Linkedin | Learning SQL Programming | Course Completion Certificate | [Link](#)
- Teachnook | Data Science | Course Completion Certificate | [Link](#)
- HackerRank | Python (Basic) | Assessment Certificate | [Link](#)
- Digital Poster Making Competition | FIT INDIA WEEK-2023 | First Place | [Link](#)