ROHITH M

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EDUCATION

Amrita Vishwa Vidyapeetham, Coimbatore   *2021 - Present*
Bachelor of Technology, Computer Science & Engineering   CGPA: 8.41

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

EXPERIENCE

[SAP](#) | Invoice Extraction with GenAI | [GitHub Link](#) | [Certificate](#)   *February 2024 – April 2024*
Front End Developer | React   *Remote*

- Designed and developed responsive UI pages in React for login, uploading/auto-filling, profile management, invoice status tracking and manager dashboard.

PROJECTS

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

- Developed a spelling checker and auto-completion system using Trie and hash table for word validation.
- Implemented a spelling suggestion system offering up to 5 relevant corrections, enhancing user experience.
- Designed a reliable hashing mechanism and utilized SQLite to store and track misspelled words and their frequencies, enabling historical analysis and improving accuracy.

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.
- Pre-processed the dataset with text normalization techniques, including tokenization, stemming, stop word removal and TF-IDF vectorization to improve the accuracy of the machine learning models.
- Implemented machine learning models, including Logistic Regression, Decision Tree, and Random Forest, achieving over 98% testing accuracy.

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 for smooth communication between frontend and backend, ensuring a responsive user experience.

SKILLS

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

ACHIEVEMENTS / EXTRACURRICULAR ACTIVITIES

- Google | Crash Course on Python | Course Completion Certificate | [Link](#)
- HackerRank | Python (Basic) | Assessment Certificate | [Link](#)
- Linkedin | Learning SQL Programming | Course Completion Certificate | [Link](#)
- Content & Social Media Manager Intern | Life Education Institute | [Link](#)
- Digital Poster Making Competition | FIT INDIA WEEK-2023 | First Place | [Link](#)
- Football Player | Played for CSE department