

# ROHITH M

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## Education

**Amrita Vishwa Vidyapeetham, Coimbatore**

*Bachelor of Technology, Computer Science & Engineering*

**CGPA: 8.41/10**

*2021 – Present*

**Bharatiya Vidya Bhavan, Thrissur**

*Higher Secondary*

**CBSE: 95.4%**

*2019 – 2021*

## Experience

**Infosys Springboard | AI/ML Project Intern | GitHub**

**December 2024 – January 2025**

*Python, Streamlit, Web Scraping, ARIMA, Hugging Face, Groq API, Slack API*

*Remote*

- Developed an e-commerce competitor analysis platform using Python and Streamlit to compare competitor strategies and customer sentiment.
- Used Web Scraping to gather real-time data on pricing, discounts, and reviews.
- Applied ARIMA for 5-day discount forecasting and Hugging Face's transformers for sentiment analysis.
- Integrated LLaMA for generating strategy recommendations based on competitor data.
- Enabled real-time updates with Slack API for streamlined communication.

**SAP Labs | Frontend Developer | Industry Project | GitHub**

**February 2024 – April 2024**

*HTML, CSS, JavaScript, React*

*Remote*

- Contributed to the development of an Invoice Extraction system using Generative AI to automate the extraction and entry of invoice data into systems, reducing manual data entry efforts.
- Designed and developed responsive UI pages for login, uploading/auto-filling, profile management, invoice status tracking, and manager dashboard.

## Projects

**Spelling Checker | Python, Trie, Hashing, SQLite, React, Flask | GitHub**

- 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**

- 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 enhance model accuracy.
- 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**

- 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 seamless communication between frontend and backend, ensuring a responsive user experience.

## Technical Skills

**Languages/Frameworks:** Python, HTML, CSS, JavaScript, SQL, React, Flask, Java, C, C++, Bootstrap, Node, Express

**Tools/Technologies:** VS Code, Jira, Git, GitHub, Google Colab, Postman, SEToolkit, Canva

**Areas of Interest:** Frontend Web Development, OOP, DBMS

## Certifications / Achievements

- 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