SRIKANTH R R

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SUMMARY

Driven software developer passionate about leveraging AI and machine learning to build impactful, scalable solutions. Experienced in machine learning and exploring full-stack development, with a focus on innovative design and collaboration. Excited to contribute to forward-thinking projects in a dynamic, growth-oriented environment.

WORK EXPERIENCE

Software Engineer Intern, Mayil Veera Tech Solutions and Consultancy   **10/2024 - Present**

- Developed a system to convert natural language text queries into SQL commands, leveraging the capabilities of large language models.
- Focused on enhancing the accuracy of query translation and optimizing database interactions for efficiency.
- Designed and implemented features for natural language understanding, handling complex queries, and ensuring seamless integration with database systems.
- Gained hands-on experience in AI model deployment and backend development for practical data-driven applications.

EDUCATION

B.Tech   **07/2021 - Present**

SRM Institute of Science and Technology KTR
- Bachelor of technology in Artificial Intelligence   CGPA-9.07

Class 12 (CBSE)   **04/2020 - 06/2021**

Vidya Mandir Estancia
- AISSCE   465/500

Class 10 (CBSE)   **04/2018 - 02/2019**

Vidya Mandir Estancia
- AISSE   451/500

PROJECTS (These Projects are done while I'm studying in SRM university)

Seamless Document Printing and Payment Platform   **10/2024 - Present**

- Developed a document printing and payment platform for university students and shopkeepers using React, PostgreSQL, and JWT for secure user authentication.
- Built a dynamic order management dashboard prioritizing teachers' orders, with Predictive Analytics (ARIMA) for demand forecasting.
- Enhanced document security with password-protected PDF viewing and controlled access, including intelligent error detection for document uploads.
- Integrated a payment system tailored for student accessibility and set up confirmation emails for account creation.
- Included patent-pending features to provide a unique user experience and competitive edge.

Finger Nail Disease Prediction   9/2024 - 10/2024

- Developed a fingernail disease prediction model using ResNet-50 to classify nail conditions and support early diagnosis.
- Utilized advanced image processing techniques to capture subtle disease indicators in nail images.
- Trained on a diverse dataset to enhance model accuracy across various nail conditions and demographics.
- Created a real-time prediction interface for easy image upload and instant feedback on potential diseases.
- Optimized the ResNet-50 model for efficient performance and high accuracy with minimal computational demands.
- Prioritized accuracy, speed, and usability, making predictions reliable and accessible for a broad audience.

Password Manager   8/2024 - 8/2024

- Developed a secure password manager in C++ with encrypted password storage and hashed master key authentication.
- Implemented strong encryption algorithms to securely store user credentials and protect sensitive information.
- Created a user-friendly interface for managing, retrieving, and generating strong passwords for multiple accounts.
- Added efficient search functionality and password generation features to enhance user experience and security.
- Ensured cross-platform compatibility for seamless usage across different operating systems, with master password protection.

TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, HTML, CSS, JavaScript, MySQL.
- **Version Control:** Git, GitHub, SourceTree
- **Technologies/Framework:** Front-end development, Node JS, Machine Learning, Deep Learning, Prompt Engineering, Data Analysis, UI/IX.

CERTIFICATES

- **SQL (06/2024)**- Hacker Rank
- **Data Engineering Virtual Internship (01/2024 - 03/2024)**- AICTE
- **Foundation of User Experience (UX) Design (07/2023 - 09/2023)**- Coursera
- **Cloud Virtual Internship (09/2023 - 10/2023)**- AICTE
- **AI For India 2.0 (08/2023)**- GUVI Geek Networks, IITM Research Park
- **AI-ML Virtual Internship (05/2023 - 07/2023)**- AICTE
- **Data Analysis With Python (06/2023)-** FreeCodeChamp

EXTRA CURRICULAR ACTIVITIES

- Moderation and Collab Manager of NFT Projects.
- Building Communities.
- Crypto Investor and Trader.
- Volleyball
- Basketball