Shreyas C.R

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Professional Summary

Highly motivated and results-driven Computer Science graduate with extensive experience in Machine Learning, Full-Stack Development, and Data Science. Proven track record in building scalable applications, predictive models, and leveraging advanced algorithms to deliver innovative solutions. Skilled in modern technologies and practices, with a strong foundation in software engineering principles, data analysis, and AI techniques.

Education

Vijaya Vittala Institute of Technology — Bengaluru, India
Bachelor of Engineering in Computer Science; CGPA: 7.2/10 — *2020 – 2024*

New Horizon PU College — Bengaluru, India
PUC; Percentage: 76% — *2018 – 2020*

Mariam Nilaya School — Bengaluru, India
SSLC; Percentage: 84% — *2018*

Internships

Oasis Infobyte — Remote
Machine Learning Intern — *Jun 2023 – Aug 2023*

- Predictive Model Development: Developed a predictive model for customer churn, utilizing Python and Scikit-learn to enhance customer retention strategies with high accuracy rates.
- Model Enhancement: Applied data preprocessing, feature selection, and model tuning to improve performance and reliability.

YBI Foundation — Remote
Machine Learning Intern — *Apr 2023 – Jun 2023*

- Application Usage Prediction: Created a machine learning model to predict application usage patterns using Python, TensorFlow, and Scikit-learn, supporting resource allocation and user engagement.
- Algorithm Implementation: Implemented various algorithms to analyze user data, leading to actionable insights for improving app usability.

Compsoft Technologies — Remote
Machine Learning Intern — *Feb 2023 – Apr 2023*

- Sentiment Analysis Model: Designed and deployed a sentiment analysis model with 89% accuracy using Python and NLP techniques, enhancing understanding of customer feedback.
- Natural Language Processing: Utilized NLP techniques to analyze textual data, improving decision-making for product development.

Projects

Chat App (with LLM)

- Enhanced User Interaction: Developed an advanced web application enabling users to interact with a customizable 3D character via real-time voice communication, utilizing state-of-the-art LLM technology.
- Innovative Technology Integration: Integrated Web Speech API for accurate voice recognition and ElevenLabs for realistic text-to-speech, significantly improving user engagement.

- **Online Payment Fraud Detection**

  - Robust Security Measures: Engineered a fraud detection system to safeguard online transactions, analyzing patterns in real-time and enhancing security protocols.
  - Predictive Risk Management: Developed predictive capabilities for early detection of suspicious activities, reducing financial losses and bolstering customer trust.

- **House Price Prediction using Machine Learning**

  - Data-Driven Insights: Created a machine learning model to predict house prices based on historical data and market trends, aiding real estate professionals and buyers.
  - Market Forecasting: Analyzed factors such as location and property features to deliver accurate price predictions and market insights.

- **Car Price Prediction using Machine Learning**

  - Strategic Pricing Tools: Developed a machine learning model for predicting car prices, assisting dealerships and buyers in setting competitive prices.
  - Enhanced Market Analysis: Facilitated better negotiation and decision-making through accurate price prediction.

- **Credit Card Fraud Detection using Machine Learning**

  - Advanced Fraud Prevention: Designed a machine learning-based system for detecting credit card fraud by analyzing transaction patterns and identifying anomalies.
  - Improved Financial Security: Implemented solutions to reduce fraud-related losses, enhancing transaction security for customers.

- **Kidney Disease Prediction**

  - Life-Saving Predictive Analysis: Developed a predictive model to assess the likelihood of kidney disease, facilitating early intervention and improving patient outcomes.
  - Healthcare Innovation: Leveraged patient data to provide actionable insights for healthcare providers.

- **Sentiment Analysis on Twitter Data**

  - Social Media Insights: Implemented sentiment analysis to evaluate public opinion on social media, helping brands understand customer sentiment and enhance engagement.
  - NLP Techniques: Applied NLP techniques to classify tweets and derive insights for marketing strategies.

Technical Skills

- Programming Languages: Python, Java, JavaScript, C++, SQL, HTML, CSS
- Web Development: React.js, Node.js, Express.js, Flask, RESTful APIs, Bootstrap
- Front-End Frameworks: Angular, Vue.js, Tailwind CSS
- Back-End Development: Django, Spring Boot, ASP.NET, GraphQL
- Database Management: MySQL, PostgreSQL, MongoDB, Firebase, SQLite
- DevOps & Cloud Computing: Docker, Kubernetes, Jenkins, AWS, Azure, Google Cloud Platform (GCP)
- Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, CI/CD Pipelines
- Software Development Practices: Agile, Scrum, Test-Driven Development (TDD)
- Machine Learning & Data Science: Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, NLP

Certifications

- Machine Learning Specialization: Coursera
- Full-Stack Web Development: freeCodeCamp
- Data Science Certification: DataCamp

- AWS Certified Solutions Architect: Amazon Web Services (AWS)

Languages

- English: Fluent
- Hindi: Fluent
- Kannada: Native