Krishna Prasad Tripathy

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Career Objective

A prospective engineer specializing in Computer Science and AI, proficient in C, C++, Python, and full stack development. I have strong interpersonal skills, an ability to solve problems in teams, and the ability to handle responsibilities independently. I am seeking a position where I can contribute effectively and grow with the organization in the long term while enhancing my domain-specific experience.

Education

Amrita Viswa Vidyapeetham University, Amaravathi, B.tech in Computer Science Aug 2022 – Present
Artificial Intelligence

- GPA: 8.33/10.0
- **Coursework:** Computer Networks and Architecture ,DSA, OS, Python, Java, Machine Learning, AI

Experience

AI and Machine Learning Developer (Freelancer) Aug 2023 – Feb 2024

- Developed machine learning models for predictive analytics, including models for the prediction of heart disease, achieving up to 92% accuracy.
- Using feature engineering and hyper-parameter tuning techniques to optimize model performance and enhance precision.
- Created data pipelines and visualizations to effectively communicate insights derived from complex datasets.

Frontend Developer Intern *Infosys Springboard — SkillHive E-Learning Platform* November 2024 – Present

- Developing the Instructor Module for SkillHive, an e-learning platform focused on course management, assessment creation, and student interaction.
- Leading a cross-functional team as the Scrum Master, facilitating Agile ceremonies, and ensuring project milestones are met efficiently for the development of SkillHive's Instructor Module.
- Tools used: Angular, TypeScript, JSON Server, CSS, Figma, Git/GitHub.

Projects

Heart Disease Prediction using Machine Learning github

- Developed a machine learning model with 92% accuracy to predict heart disease by applying advanced feature engineering techniques.
- Enhanced model performance by 11% through hyperparameter tuning and rigorous evaluation using precision, recall, and F1-score metrics.
- Tools Used: Python, Pandas, NumPy, Scikit-learn, Logistic Regression, Random Forest, Hyperparameter Tuning

Task Manager github

- Built a full-stack task management application using React.js and Node.js, improving task tracking and user experience.
- The task manager application includes features such as task creation, editing, deletion, categorization, priority setting, deadline tracking, and user authentication for personalized task management.
- Tools Used: React.js, Node.js, MongoDB, Tailwind CSS, HTML, CSS

Certifications

Generative AI: Microsoft
Ethics in the Age of Generative AI : Linked In Learning
Supervised Learning: Coursera
Angular Web development: Infosys Springboard

Technical Skills

Programming Languages: C, C++, Java, Objective-C, Python, TypeScript, JavaScript, SQL

Frontend Technologies: Angular, React.js, HTML, CSS

Backend and Databases: Node.js, MongoDB, JSON Server

Machine Learning Tools: Pandas, NumPy, Scikit-learn, Jupyter Notebook, Hyperparameter Tuning

Networking Tools: Cisco Packet Tracer

Version Control: Git, GitHub

Design Tools: Figma

Soft Skills

Leadership: Leading Agile teams as a Scrum Master

Collaboration: Managing cross-functional teams for efficient project delivery

Problem Solving: Building AI models and full-stack applications with optimized performance

Adaptability: Quickly learning and applying new technologies

Time Management: Balancing multiple projects and deadlines

Language Proficiency

English(Professional), **Hindi**(Conversational)