MD SAIF

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An undergraduate passionate about Machine Learning and AI, dedicated to developing expertise through academic studies and hands-on projects. Keen to explore innovative solutions and contribute to advancements in the field. Actively seeking opportunities to apply knowledge and grow within this dynamic domain.

EDUCATION

Delhi Technological University   **2022 - 2026**
Bachelor of Technology   [SGPA:8/10]
- Major in Electrical Engineering.
- Minor in Artificial Intelligence

PROJECTS

Sea Raptor: Developed a CNN-powered algorithm and engineered a 3D model for an autonomous marine system capable of capturing images, quantifying plastic pollution levels, and dynamically navigating to collect oceanic plastic waste.

Crypto-Graph: Designed and implemented an LSTM-based AI model to accurately forecast cryptocurrency price trends. Delivered actionable insights to enhance strategic, data-driven trading decisions.

Wireless EV Charging System: Developed and prototyped a wireless charging solution for electric vehicles using inductive coupling, focusing on efficient power transfer and safe operation.

Model Rocket . Designed a small-scale model rocket with Thrust Vector Control (TVC) using Arduino, servos, and sensors for enhanced stability and precision in flight.

PROFESSIONAL EXPERIENCE

Zebpay, AI/ML Developer Intern   **Mar 2024 - Aug 2024**
- Developed a Crypto Price Prediction API leveraging advanced machine learning models, including LSTM networks, to provide real-time cryptocurrency price forecasts.
- Conducted comprehensive data analysis to enhance prediction accuracy, achieving a 15% improvement through feature engineering and hyperparameter tuning.
- Enhanced customer decision-making by delivering timely and accurate crypto price predictions, empowering more informed and strategic trading actions.

SKILLS

LLM-Generative AI, AI Agents	Basics of Data Analysis(PowerBi, SQL)
Machine and Deep Learning	DSA(C/C++)
LangChain, TensorFlow, PyTorch	Git/GitHub
Scikit-Learn, Hugging Face, OpenCV	Technical Writing and Documentation
Internet of Things (Microprocessors, Motion Sensors)	Microsoft Office

RELEVANT COURSEWORK

Data Structure	Pattern Recognition
Basics of Programming	Fundamental of Artificial Intelligence

POSITION OF RESPONSIBILITY

- **Character on Road Hackathon,** First Runner Up. Accomplished participant in a prestigious hackathon, securing the runner-up position while contributing to the development of a live parking system.
- **Execute 3.0** , Achieve 3rd Place among 150+ teams with cutting edge web3 Solution.
- **UAS-DTU,** Avionics Engineer Contributed in increasing drone potential with integration of robotic arm.

ADDITIONAL INFORMATION

- **Languages:** English, Hindi
- **Certifications:** Fundamental of Artificial Intelligence (NEPTEL), Desh Ke Mentor.