Kapil G Ratan

Hubli, Karnataka, India - 580032 | +91 779 568 8789
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PROFESSIONAL SUMMARY

A motivated and results-driven professional with a good understanding of Machine Learning, Python, and Java. Skilled in problem-solving, data analysis, and software development. Able to work well in teams and adapt to new challenges. Actively engaged in technical presentations, event organization, and academic initiatives. Eager to contribute my skills in leveraging a dynamic and collaborative environment to grow and excel.

INTERNSHIPS

Machine Learning Intern
Pravinya InfoTech (Onsite)
February 2024 – June 2024
Researched on Quantum Machine Learning for optimized clustering, gained analytical experience, and presented a Springer paper at 5th CIS 2024.

AIML Trainee Intern
Pantech.AI (Remote)
May 2024 - August 2024
Learned and experimented with machine learning algorithms for data processing and predictive modeling.

EDUCATIONAL BACKGROUND

KLE Technological University
Hubli
Bachelor's Degree in Computer Application
2022-2025
CGPA: 9.34

PC Jabin Science College
Hubli
11 and 12 (PCMB)
2020-2022
Percentage: 83.16%

SKILLS

- DBMS (SQL)
- Machine Learning
- Python Programming
- Cloud Computing
- Deep Learning
- Presentation Skill

PROFICIENCIES

- English
- Kannada
- Hindi

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PROJECTS

1. **Quantum Enhanced Cluster Optimization using K-Means Algorithm.**
- Explored Quantum-Inspired Clustering using K-Means and Quantum K-Means.
- Analyzed performance, workflow, and optimization impact.
- Quantum K-Means improved efficiency and cluster quality.

2. **Battery Life Prediction Using Boosting Algorithms.**
- Predicted battery life in autonomous robots using boosting algorithms.
- Applied GBM, XGBoost, and AdaBoost for energy optimization.
- Improved predictive accuracy and efficiency for sustainable robotic systems.

3. **Air Quality Classification Using RNN Architectures.**
- Classified air quality using RNN, LSTM, and GRU architectures.
- Applied and compared recurrent models for air quality prediction.
- Improved classification accuracy and efficiency in air quality monitoring.

4. **Student Registration Website Using Advanced Java with MySQL.**
- Developed a student registration website using Advanced Java and MySQL.
- Implemented servlet-based form handling, database integration, and user management.
- Enabled efficient student data storage and retrieval with a seamless interface.

CERTIFICATES

- Infosys Springboard Certified Introduction to Machine Learning certificate in 2024.
- Infosys Springboard Certified. Introduction to Computer Vision certificate in 2024.
- Pantech.AI certified AI Internship Certificate in 2024.
- Python for Machine Learning Certificate from Great Learning Academy in 2024.

ACADEMICS

- Took part in the State-Level Paper Presentation competition organized by KLE College at Chikodi and secured 1st place in 2024.
- Secured 2nd place at ADVITYA 2k24 in the Paper Presentation and Quiz competition organized by KLE IT, Hubli.
- Involved in organizing and managing Department level Technical events at KLE TECH.