RAHUL K

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WORK EXPERIENCE

Mentor, AWS Cloud Clubs, AMRITA VISHWA VIDYAPEETAM May 2024 - present

Provided guidance and support to college students in understanding cloud computing principles and implementing AWS projects, facilitating their learning journey in practical cloud technologies.

PROJECTS

GENERATION OF FEN SCORE FROM CHESSBOARD USING CNN [GitHub]

- Developed a CNN method to predict FEN scores from chessboard images with 98.6% accuracy by applying deep learning, EDA, PCA, and feature engineering for reliable model training.

AUTOMATIC APPLIANCE CONTROL USING OpenCV [GitHub]

- Developed a YOLOv5-based system for real-time person detection to automate energy conservation by controlling electrical devices. Utilized a client-server architecture with a Raspberry Pi client and existing CCTV cameras for integration, reducing hardware requirements.

RESUME CLASSIFICATION USING NLP AND MACHINE LEARNING [GitHub]

- Developed an advanced framework utilizing machine learning and NLP models like BERT to streamline resume categorization. Achieved exceptional accuracy of 99.48%, significantly reducing manual screening time and empowering recruiters with efficient decision-making tools.

EDUCATION

2022 - present	B.Tech in Artificial Intelligence Engineering at **AMRITA VISHWA VIDYAPEETAM** (GPA:8.45)
2021	High School at **AVB Matriculation Higher Secondary School** (96%)

SKILLS

Areas of Interest	Full Stack Development, Neural Networks, LLMs (Large Language Models), Prompt Engineering.
Languages and Frameworks	HTML, CSS, Bootstrap, Javascript, Node.js, Express, React, Python, Java, Flask, MySQL, TensorFlow, Pandas, Numpy, Keras, Scikit-Learn.
Tools and Technologies	Git and GitHub, VS Code, Postman, RESTful API, Jupyter Notebook, Google Colab, Linux, MS Office, Figma, Canva.
Softskills	Effective Communication, Teamwork, Time Management, Adaptability.

CERTIFICATES AND ACHIEVEMENTS

- Awarded Certificate of Honor in the Third Semester, B.Tech in Artificial Intelligence Engineering, AMRITA VISHWA VIDYAPEETAM.

- Successfully advanced to the final round of the Prasunet Hackathon 2024, showcasing our team's exceptional skills

- Showcased our commitment to sustainability by advancing to the semi-finals of the Indian Oil Hackathon 2024

- Volunteered at Sevalaya, providing essential support to underprivileged communities through dedicated service initiatives.