Newshika S K

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WORK EXPERIENCE

Machine Learning • Internship Jan 2024 - Mar 2024
RapidMiner, Virtual

I gained hands-on experience in data preprocessing,while also learning to use RapidMiner's tools effectively. The internship not only enhanced my technical skills but also provided valuable insights into the industry.

EDUCATION

B.Tech, Artificial Intelligence And Data Science 2023 - 2027
Kumaraguru College Of Technology

PROJECTS

Health-Care Chatbot
Sep 2024

I had the opportunity to collaborate with a team in developing a healthcare chatbot designed to assist users in managing symptoms through personalized yoga asanas and acupressure points. My primary role involved utilizing HTML and CSS to create a responsive and user-friendly interface. We integrated natural language processing (NLP) to enable the chatbot to understand and respond effectively to user inquiries. Additionally, I contributed to curating a comprehensive database of yoga and acupressure resources. The project included user testing to gather feedback for continuous improvement. This experience enhanced my web development skills and deepened my understanding of user-centered design in health technology.

Deep-Fake Detection
Jan 2024 - Feb 2024

In our Deep-Fake Detection Project, I collaborated with a team to develop a detection system using Long Short-Term Memory (LSTM) networks. We collected a balanced dataset of deep fake and authentic videos, focusing on extracting key features like facial landmarks and audio spectrograms. By training the LSTM model , we achieved over 90% detection accuracy. Additionally, we created a user-friendly web application for real-time analysis. This experience significantly enhanced my skills in machine learning and teamwork.

SKILLS

- Python
- HTML&CSS
- MATLAB
- MS-Excel

ADDITIONAL DETAILS

- I attended a workshop on machine learning, which deepened my understanding of key concepts such as supervised and unsupervised learning, model evaluation. The workshop included hands-on coding sessions using Python and libraries like scikit-learn.