Sindhuja Gaur

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LinkedIn Profile

Education

•National Institute of Technology Patna *2021-2025*
B.Tech in Computer Science and Engineering CGPA: 8.87

•City Montessori School Lucknow *2020*
ICSE, Uttar Pradesh Percentage: 97.5

•City Montessori School Lucknow *2018*
ICSE, Uttar Pradesh Percentage: 96.8

Experience

•Tollring *1 June 2024 - 1 August 2024*
Software Developer Intern Remote

– Fine-tuned pre-existing models for entity recognition across multiple languages in call transcripts, enhancing accuracy and linguistic coverage.
– Applied zero-shot classification techniques to categorize data effectively without additional training data.
– Utilized transformer models, including BERT and BART from the Hugging Face library, to improve natural language processing capabilities.

Team Projects

–Student Attention Detection during Online Classes *January 2024 - April 2024*
Machine learning *model to detect attention using computer vision tools*

∗ Tools & technologies used: **XGBoost, CNN, TensorFlow**
∗ Developed an attention monitoring system for students using machine learning and deep learning techniques to generate comprehensive anonymous reports on attentiveness. The system includes modules for face detection, hand tracking, cell phone detection, and pose estimation to enhance the effectiveness of online classes. Link

–Polycystic Ovary Syndrome Detection *August 2024 - December 2024*
PCOS Detection Using ***Multi-Modal Dataset*** *and* ***Deep Learning***

∗ Tools & technologies used: **NumPy, TensorFlow, CNN, Random Forest**
∗ Developed a deep learning model leveraging a multi-modal dataset combining ultrasound images and hormonal data to enhance diagnostic accuracy. Improved prediction reliability by addressing limitations of single-modal studies through diverse data integration. Ensured higher confidence in PCOS diagnosis, particularly for complex cases, by utilizing both image-based and hormonal indicators.

Personal Projects

–My Portfolio *August 2023 - August 2023*
Building this portfolio website helped me learn and improve my web development skills.

∗ Tools & technologies used: **HTML, CSS, JavaScript**
∗ Creating a portfolio website gave me a hands-on experience with HTML, CSS, JavaScript and also encouraged me to reflect on my past projects, skills, and experiences. This self-assessment also helped me identify areas for improvement and set goals for my professional development. Link

–Blood Bank Help *July 2023 - August 2023*
Full stack blood bank system using MERN and several frameworks.

∗ Tools & technologies used: **ReactJS, Node.js, Express.js, MongoDB**
∗ Secure login using JWT in Node.js with React.js for Ul and interaction. MongoDB for dynamic blood stock tracking and updates, using RESTful API endpoints in Express.js.

Technical Skills and Interests

Languages: C++, JAVA, Python, C, HTML, CSS, JS
Developer Tools: Visual Studio Code, PyCharm, Jupyter Notebook, Kaggle
Frameworks/ Libraries: ReactJS, TensorFlow, Hugging Face, LangChain, NumPy, Pandas, Keras, PyTorch
Cloud/Databases: MySQL, MongoDB, Google Colab
Soft Skills: Communication skills, Listening skills, Time management, Problem-solving, Leadership, Teamwork
Coursework: Artificial Intelligence, Algorithms, Data Structures, Computer Networks, Computer Organisation, DBMS, Software Engineering, Operating System, Object Oriented Programming, Machine Learning
Areas of Interest: Data Structures, Machine Learning, Badminton, Book reading, Travelling