Hardik Goel

Pre Final Year | Bioscience and Bioengineering | IIT Jodhpur
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EDUCATION

IIT JODHPUR
B.Tech
2022-2026
CGPA:8.74/10

APEEJAY SCHOOL
Grad. June 2022| Faridabad, India
XII: 96.2%

APEEJAY SCHOOL
Grad. April 2020| Faridabad, India
X: 95.8%

SKILLS

PROGRAMMING
Proficient:
• C++ • Python • Dart
• Javascript • HTML • SQL

DEVELOPMENT
• Django • React.js • TypeScript
• NodeJs • MongoDB
• Kubernetes

TOOLS & OS
• Git • Docker • Linux• Streamlit
• HuggingFace• Gradio

COURSEWORK

UNDERGRADUATE
•Data Structure and Algorithms
•Deep Learning
•Introduction to Machine Learning
•Probability Statistics and Stochasticity

LINKS

⬯ GitHub : Hardikgoel070 ⬈
in Linkedin : Hardik ⬈

ACTIVITES

• **Overall Head**: E-cell,IITJ
• **Head**: E-Conclave'25
• **Assistant Head**: Prometeo,IITJ
• **Member**: GDSC

EXPERIENCE

BOLTZMANN LABS | Machine Learning Engineer | Bengaluru, Karnataka
Intern: Feb 2024 – July 2024
• Analyzed **1,000+** circular RNA (circRNA) samples in ILD using **CIRI2** and **circExplorer**, identifying **15 potential RNA biomarkers**.
• Developed predictive models with **XGBoost, SVM**, achieving **95% accuracy** in distinguishing disease groups.
• Applied **PCA** and **t-SNE** for dimensionality reduction, improving visualization

PROJECTS

DISEASE PREDICTION USING DJANGO AND MACHINE LEARNING | Developer | Project-Github ⬈
June 2024 – Present | Django, PostgreSQL, Machine Learning, TensorFlow, Scikit-learn
• Built a web-based disease prediction system using **Django** and **PostgreSQL**.
• Integrated **machine learning models** to predict diseases based on symptoms with high accuracy.
• Optimized model inference, reducing prediction time by **30%**.

FULL STACK INVENTORY MANAGEMENT DASHBOARD | Developer | Project - Inventory Management ⬈ | Live Demo ⬈
Aug 2024 – Present | Next.js, Redux, Node.js, AWS, Prisma, Tailwind CSS, Material UI
• Built and deployed a full-stack **inventory management dashboard** using **Next.js** and **Redux**.
• Integrated AWS services (**RDS, EC2, API Gateway, S3, Amplify**) for scalable backend infrastructure.
• Optimized data handling with **Material UI Data Grid** and **Redux Toolkit Query**.

HUMAN UNDERSTANDING THROUGH LINGUAL KINETICS | Team Member , RAID | Hulk -Github ⬈
June 2023 – Dec 2023 | YOLOv5, LSTM, MediaPipe, TensorFlow, PyTorch, OpenCV, RCNN , RNN
• Developed a real-time sign language recognition system with **90% accuracy**.
• Optimized **YOLOv5** for hand detection, reducing false positives by **15%**.
• Achieved **20 FPS** inference speed with **LSTM**-based gesture recognition.

CRYPTOCURRENCY TRACKER | Developer | Project - Crypto-Git ⬈
Jan 2024 – May 2024 | React.js, Node.js, Axios, CoinGecko API, CSS
• Built a web app tracking **7,000+** cryptocurrencies in real time using **React.js** and **CoinGecko API**.
• Optimized API response time by **30%** with a **Node.js** proxy and improved search for **500+** cryptocurrencies.

ACHIEVEMENTS

• **5th Place** in SCSPAR'24 challenge at NCVPRIPG 2024
• Departmental Rank **2** academically
• **Academic Excellence** Received Gold Medal for Continuous Academic Excellence –APEEJAY,Faridabad