Hitesh Goyal
Student of AI and ML

hiteshgoyal.business@gmail.com ✉

+91 9945609038 📱

linkedin.com/in/hitesh-goyal-5732bb208/ 🔗

github.com/indianeagle4599 🔗

Education

B.Tech CSE with Spec. in AI and ML
Vellore Institute of Technology, Chennai
07/2019 - Present
GPA: 8.99/10.00

Grade XII
CMR National Public School, Bengaluru
06/2018 - 06/2019
Percentage: 83.8/100

Grade X
Sishu Griha High School, Bengaluru
06/2016 - 06/2017
Percentage: 87.5/100

Interests

- Machine Learning
- Artificial Intelligence
- Computer Vision
- Cybersecurity
- Research work
- Deep Learning
- Reinforcement Learning
- Audio Processing
- Natural Language Processing

Skills

- Programming in **C, C++, Java**.
- Knowledge about using **Tensorflow-RL, Open-AI Gym, NLTK, Spacy, Librosa**.
- Created apps in **React, Flask**.
- Worked with **HTML, CSS, SQL, PHP, NodeJS, MongoDB**.
- Familiar with **Git, GitHub, Cisco Packet Tracer, Wireshark, Linux CLI**.

Accomplishments

- Assisted in organizing, managing and hosting a 3 day Data Science competition and learning workshop for the Data Science Club.
- Secured top 10% rank in AWS Deep Racer League for training RL race bots.
- Elected as the Programme Representative for AI ML branch of University for the year 2021-22.
- Elected as a member of the Student Council in High School.

Work Experience

Research Intern
PRISM, Samsung R&D
11/2021 - Present
- Used Deep Learning in Frame Rate Conversion (FRC) for quality improvement to create an efficient model.
- Developed the FRC function in collaboration with the team, while managing the team's tasks.
- Languages and tools: Python, NumPy, OpenCV, PyTorch.

Research Intern
VIT Chennai
06/2021 - 07/2021
- Compared the effectiveness of Graph Convolutional Networks to traditional ML models for Intent Detection.
- Created a research paper in collaboration with a peer.
- Languages and tools: Python, NumPy, Pandas, Sci-Kit Learn, TensorFlow.

Student Intern
SmartKnower Pvt. Ltd.
02/2021 - 04/2021
- Created an ML model for OCR of Devanagari Digits with 99% accuracy.
- Developed a panel of ML models using Ensemble Learning to predict sentiment of text and deployed it as a web application.
- Languages and tools: Python, NumPy, Pandas, NLTK, Sci-Kit Learn, Streamlit, Heroku, GitHub.

Projects

Cognify – Brain Training App
- Developed 4 brain training applications – Sudoku, Mastermind, Battleships (with AI player), Memory Match - in JavaScript and React Native.
- Integrated scalable theme styles into the application.

Taalika – Multi-purpose Organiser
- Managed the app development process. Created the notes manager module.
- The app includes 4 sections - Task Manager, Notes manager and Attendance tracker and is made in React Native.

Uchchaar - Helping the Dyslexic
- Worked on an application which helps dyslexic children to learn to recognize and pronounce words in Hindi.
- Collected audio data to build a Speech Recognition model and created a speech recognition model using ML and DL.
- Used - Python, NumPy, Pandas, Librosa, Sci-Kit Learn, TensorFlow.

Fake News Detection Application
- Developed and trained fake news detection model using GloVe word embeddings and NLP.
- Used – Python, Pandas, NumPy, NLTK, Spacy, TensorFlow, Flask.