



HITESH GOYAL

Bengaluru, Karnataka, India 🏠

+91 99456 09038 📞

hiteshgoyal.business@gmail.com ✉

linkedin.com/in/hitesh-goyal-

5732bb208 in

github.com/indianeagle4599 📄



ABOUT

I am a student exploring Artificial Intelligence and Machine Learning to better understand human intelligence and learning. Along the way, I aim to learn more about myself and those around me. With this knowledge, I aspire to change the world into a better and happier place.



EDUCATION

10th Grade | Sishu Griha Montessori and High School, Bangalore

06/2004 – 04/2017

12th Grade | CMR National Public School, Bangalore

05/2017 – 04/2019

BTech in CSE with Specialization in Artificial Intelligence and Machine Learning | Vellore Institute of Technology, Chennai

07/2019 – PRESENT

Current GPA – 9.07/10



EXPERIENCE

Student Intern | SmartKnower

03/2021 – 04/2021

- Created an ML model for Object Character Recognition of Devanagari Digits.
- Created a panel of ML Models (Ensemble Learning) to Predict Sentiment of Text.
- Created and deployed a simple web application which can predict Sentiment of text using the panel.

Research Intern | Vellore Institute of Technology, Chennai

06/2021 – 07/2021

- Performed research on Intent Detection using Graph Convolutional Networks (GCNs).
- Performed a survey of the accuracy of GCNs in comparison to other ML models.

Research Intern | PRISM (Samsung Research and Development)

12/2021 – PRESENT



LANGUAGES AND TOOLS

- C
- C++
- Python
- Java
- JavaScript
- HTML
- Pandas
- NumPy
- Sci-Kit Learn
- TensorFlow
- OpenCV
- Librosa
- CSS
- PHP
- React
- MongoDB
- React Native
- NodeJS
- Metasploit
- Cisco Packet Tracer
- Wireshark



INTERESTS/HOBBIES

- Reading
- Music
- Guitar
- Psychology
- Learning
- Planning
- Organizing
- Leadership
- Management
- Teaching
- Cybersecurity
- NLP
- Computer Vision
- Audio Processing
- Deep Learning
- Sequence Modelling
- Reinforcement Learning



CERTIFICATES

- Cybersecurity Essentials - Cisco (11/2019 - 01/2020)
- Introduction to Bio-inspired Design - VITOL (04/2020 - 05/2020)
- Business Mathematics - VITOL (04/2020 - 05/2020)
- Legal Aspects of Business - VITOL (04/2020 - 05/2020)
- Practical Introduction to Command Line - Coursera (06/2020)
- Packet Tracer - Cisco (09/2020)
- Learning How to Learn - Coursera (12/2020)
- ML Course - SmartKnower (02/2021 - 03/2021)
- MongoDB Basics (M001) - MongoDB University (04/2021-05/2021)
- Mindshift Course with Honors - Coursera (06/2021-07/2021)
- Introduction to Psychology - Coursera (06/2021-08/2021)
- The Science of Well-Being - Coursera (06/2021-10/2021)
- Structuring Machine Learning Projects - Coursera (02/2021)
- Crash Course on Python - Coursera (01/2021-02/2021)
- Foundations: Data, Data, Everywhere - Coursera (01/2021-02/2021)



PROJECTS

Cognify | Brain Training App

07/2020 – 11/2020, 02/2021 – 05/2021

- Successfully developed 4 brain-training games using React Native.
- Developed themes within app.

Taalika | Multipurpose Organizer App

07/2021 – 11/2020

- Managed the development of the app.
- Created notes-organization module.
- Helped with Attendance tracker module.

Uchchaar | Helping the Dyslexic

02/2021 – 06/2021

An application which helps dyslexic children to learn to recognize and pronounce words in Hindi.

- Helped collecting data to build a Speech Recognition model.
- Created a speech recognition model using ML and DL.

PyCommander | Python based shell

02/2021 – 05/2021

- Created the python-based shell.

LinkIT | Web application to Save Links

02/2021 – 06/2021

- Created the database of the application which uses MERN Stack.
- Helped fix the flow of data in the application.
- Integrated all the modules.



RESEARCH WORK

A Survey on Preprocessing Techniques for Intent Detection | Natural Language Processing, Machine Learning and Deep Learning

08/2021 – 12/2021

- Contributed in planning and managing the project and its work.
- Created the entire template of the implementation.
- Implemented the paper-required code to deliver observations.
- Helped develop the paper of the research work.

Neural Steganography and Steganalysis | Computer Vision, Cybersecurity and Neural Networks

08/2021 – 12/2021

- Managed a team of 4 (including self), planned and organized the tasks, meeting and goals.
- Created a non-ML steganography implementation.
- Implemented and reconfigured a Convolutional Neural Network based Steganography implementation.
- Helped create two research papers for the implementations and their results.

Neural Cryptanalysis | Sequence Modelling, Cybersecurity and Neural Networks

08/2021 – 12/2021

- Managed a team of 3 (including self), planned and organized the tasks, meeting and goals.
- Wrote the scripts for simple cryptography ciphers like Caesar and Vigenère.
- Helped in coding scripts for more advanced and contemporary cryptography techniques like AES and DES.
- Implemented and reconfigured an RNN, LSTM and GRU based encryption breaking Neural Network.
- Helped create the research paper for the project.