

VISHESH TAYAL

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Passionate, Curious and Excited in designing new technologies and learning about them. An excellent communicator and loves working with people, seeking an internship in a fast-growing organisation to hone my technical skills and attaining excellent standards while meeting organisational needs.

EDUCATION

JUNE 2018 – PRESENT

B. TECH, MANIPAL INSTITUTE OF TECHNOLOGY

Manipal, Karnataka.

CGPA: 8.9

Pursuing Bachelor of Technology in Electronics and Communications Engineering (Majors).

JUNE 2016 – MAY 2018

HIGH SCHOOL DIPLOMA, NARAYANA JUNIOR COLLEGE

Hyderabad, Telangana.

CGPA: 9.5

JUNE 2014 – MAY 2016

MATRICULATION, NARAYANA HIGH SCHOOL

Hyderabad, Telangana.

CGPA: 9.3

EXPERIENCE AND PROJECTS

OCTOBER 2018 TO PRESENT

SUBJECT MATTER EXPERT

CHEGG INC.

Working in an educational technology company as a tutor in Computer Science. Provide clear and concise solutions to the queries.

NOVEMBER-2019 TO DECEMBER-2019

WEB DEVELOPER INTERN

ECOBEEES- STARTUP

Worked as a full-stack developer on the company website. The frontend was written in Vue.js, and the backend was on Laravel-PHP.

REVIEW BAY – WINNING PROJECT IN SMART INDIA HACKATHON – INTERNAL ROUND - STOOD 2ND PLACE IN MAHE INNOVATION FEST HELD BY MANIPAL ACADEMY OF HIGHER EDUCATION
SOLUTION TO FEEDBACK MANAGEMENT SYSTEM

- Feedback sentiment analysis using machine learning models with algorithms like LSTM, SVM trained over a data set of 59 million reviews. Maintaining the accuracy of 95%.
- Developed a web application written in flask and bootstrap, allowing users to access the service quickly.
- Provided exploratory data analysis to the users based on their dataset.

The solution is found to be very scalable as it is very cost-effective due to the use of opensource-tools

PRESENT

OPEN SOURCE DEVELOPER

Contributed to various organisations like Mozilla Firefox, The Algorithms, Sage Math etc. Most of the contributions can be followed on GitHub – www.github.com/unicorn-io

FEBRUARY 2020

TUNE GENERATOR (PIANO)

- Developed a Piano on LabView
- The input from the pushbuttons was taken using the Data-Acquisition assistant (My-DAQ), and further LabView was used to process the information into the generation of sound waves and output through a Speaker.

JANUARY 2019

BEAT -O- MANIA (WRITTEN IN JAVA)

Developed a MIDI-based graphical user interface with a grid of 16 instruments to produce music similar to beatboxing.

FEBRUARY 2019

8 PUZZLE SOLVER (WRITTEN IN JAVA)

Programmed a solver using A* search algorithm used to solve the famous puzzle invented by Noyes Palmer Chapman.

APRIL 2019

IMAGE REDUCTION

Developed an image reduction model(Image processing model) using k – means clustering algorithm to reduce the number of colours used in the image.

MAY 2019

DIGIT RECOGNITION

Developed a handwritten number recognition single layer perceptron model with 97% accuracy.

JULY 2019

RECOMMENDER SYSTEM (WRITTEN IN MATLAB)

Being a part of IEEE student branch Manipal. Developed a collaborative filtering-based recommender system for the college fair. This system was used to recommend places in an around Manipal based on users' interests.

SKILLS

- Programming languages C, Python, Java, MySQL, HTML, PHP, CSS, JavaScript, XML, Verilog, ARM assembly.
- Libraries OpenCV, Pixelmed, dcm4dch, Image, Audio Processing Python
- Frameworks Flask, Swing, Spring, TensorFlow, PyTorch
- Platform(OS) Microsoft Windows, Linux, Android Phone
- Software MATLAB, Android SDK, Adobe Photoshop, LabView, Xilinx Design
- Documentation Latex

ACTIVITIES

- My team was Ranked 5990 in Google HashCode-2020.
- Smart India Hackathon Regionalist.
- 2nd Place in MIT Innovation Fest held by Manipal Institute of Technology.
- Management Committee Member at Ada Dramatics, Manipal.
- Management Committee Member at PyData Manipal.
- Festival Organiser under the “Informals Category” for TechTatva – 2019, held by Manipal Institue Of Technology.
- I got an opportunity as the Management Committee Member at IEEE student branch, Manipal.
- I volunteered For Discover Conference 2019 hosted by IEEE.
- Performed Nukkad Natak in Unmaad – 2019,2020 a festival hosted by IIM Bangalore.
- Performed Nukkad Natak in Revels – 2019,2020 a festival hosted by Manipal Institute of Technology.
- I volunteered For AIESEC Manipal by being a part of world cleanup campaign.