

KODAM VISHAL

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OBJECTIVE:

Resourceful and determined undergraduate seeking admittance into a graduate program to pursue a Master's Degree in Computer Science and channelize my technical skills towards personal and professional development by contributing to my field through innovative technical solutions.

ACADEMIC QUALIFICATION

Bachelor of Technology (Electronics and Communication Engineering) from Indian Institute of Information Technology Nagpur, (IIITN), Nagpur, Maharashtra, May 2022. CGPA: 6.53

PROJECTS

Title: Diabetes Detection using Supervised Learning models

Duration: Sep. 2021 - March 2022

Brief Objective: Detecting diabetes in females using PIMA Indian Diabetes dataset and implementing in multiple models such as KNN, Gradient Boosting Classifier, Random Forest Classifier and SVM. The best performing model is further tuned which is called as model tuning where hyper parameters are tuned for better results. A user interface is also created to detect diabetes.

Individual Role: Data Preprocessing to model tuning and creating User Interface using Flask.

Title: Alexa using CNN to detect Covid-19 using X-ray images

Duration: Aug.2021 -Nov.2021

Brief Objective: Detecting Covid-19 from the Chest X-ray image data set, using the CNN model of Deep Learning and to enhance user interaction with the model we built the speech recognition skill-set of Alexa using various modules like Google Text-to-Speech, Speech recognizer function to record user's voice and the Google API to convert text input for interaction. The virtual assistant detects a patient's X-ray input and also gives the current news updates and precautions.

Individual Role: Data pre-processing and model performance metrics improvement.

Paper Publication: A research paper submitted for publication in the 4th IEEE International Conference on Recent Trends in Computer Science and Technology (ICRTCST-2021)

Title: Digital Face Recognition model and Object detection using Image Processing

Duration: Aug. 2019 - Nov. 2019

Brief Objective: Digital facial recognition was accomplished by multiple faces at a time digitally through image processing and then recognizing targets from the stored data. Detecting objects using the Haar cascade object detection model. This works as an automatic attendance system in real-time.

Individual Role: Trained and validated with COCO (Common Objects in Context) dataset.

Title: E-Auction App

Duration: Feb. 2019 - Mar. 2019

Brief Objective: The application aims at providing an online platform for bidders and buyers for auction purposes that enable safe monetary transactions. The app was configured, built environment on Android Studio, and Figma was utilized for designing the UI.

Individual Role: Developed app idea, led a team of 3 members, and worked on the development of the prototype and UI design.

INTERNSHIP

Technical Product Analyst Intern, JUSPAY, Bangalore, May - November 2021

Role: API Integration for UI-API mapping of Government 'Sahay App' with partnered banks in Haskell. • With a keen understanding of features and parameters, updated UI screens of the app and added auto-capitalization feature in Presto framework.

• Created logs for the screens of the app and developed the front end.

- Back-end customization and created dashboard using R language.

Campus Ambassador E-Cell IIT Hyderabad, September 2020 - February 2021

- Completed all the management tasks and assignments given by the core team.
- Stood first at the case-study competition and was awarded as a top performer of the program

TECHNICAL SKILLS

Programming Languages: C, C++, HTML, CSS, Java, JavaScript, Python, PureScript, Haskell, R - language, MATLAB, VHDL

Hardware: Arduino, 8085, 8086, and 8051 Microprocessor

Tools/Frameworks: GIT, Common Python Frameworks, NodeJS, Angular JS, Django, Android SDK, Shiny, Xilinx, Jira

Database: SQL, SQLite

OS: Linux, Windows

CERTIFICATIONS

- Python crash course from Google
- Programming in Java by NPTEL
- Machine Learning offered by Stanford University
- Deep Learning and Artificial Neural networks by Udemy
- Basics to Advance for Frontend Development by Udemy
- Oracle Autonomous Database Cloud 2021 Certified Specialist
- Oracle Cloud Infrastructure Developer 2021 Certified Associate

ACHIEVEMENTS

- 1st Position in the case-study competition held by IIT Hyderabad and was awarded as a top performer of the program (2020)
- Secured a seat in IIIT Nagpur, given the status of Institute of National Importance with an acceptance rate of 2.1%
- District runner in District Science Congress (2016)
- Gold medal in 100m regional tournament (2014)
- Silver medal in State HandBall (2014)

COMMITTEES

- Head, Event management Team, National Level Technical Fest IIIT Nagpur, 2019-2020
- Head, Cultural Team, National Level Technical Fest IIIT Nagpur, 2018-2020

COMMUNITY SERVICES

- Member at Robin Hood Army organization where we work to provide food and education to more than a thousand underprivileged children through food distribution programs and education camps.
- Volunteered at the Institute of Preventive Medicine (2020) during the blood donation drive to aid the team of doctors in successfully conducting the program.