



Vittal Badami

Computer Science & Engineering
KLE Technological University Hubli

B.E
Male

Examination	University	Institute	Year	CGP/%
Graduation	KLE Tech	KLE Tech	2023-24	9.29
Intermediate/+2	Vidyanikethan PU Science College	Vidyanikethan PU Science College	2018-19	92.83
Matriculation	KSEEB	ST ANN'S English Medium High School	2017	95.68

FIELD OF INTERESTS

- Artificial Intelligence and Machine Learning , Computer Graphics , Web Technologies

MAJOR PROJECTS

- MeLi Data Challenge 2021** (*Data Science Contest*)
(Guide: Prof. Sunita H., July'21-Sept'21)
 - Goal: Build a model to forecast item inventory days based on Mercado Libre historical data.
 - Task: Predict how long it will take for the inventory of a certain item to be sold completely. In inventory management theory this concept is known as inventory days. We have come up with a neural architecture with transfer learning for existing model. This model gave us a rank of 41 among 157 participants.
 - (<https://ml-challenge.mercadolibre.com/>)
- Optimization of Binary Neural Architecture Search** (*Research Project*)
(Guide: Prof. Sunil V.G., July'21-till date)
 - Goal: Optimizing the binary neural architecture searched models for multiple competing objectives like accuracy, latency, power usage, FLOPS for image classification task.
 - Task: Proposed Evolutionary algorithm based Multi-objective search and Binary Convolutional Neural Networks to achieve the objective. Developed as a web application for user to customize their model for image classification task. **(Details of this project are not made public due to confidentiality).**
- Hand Gesture Volume Control** (*Personal Project*)
(July'21-till date)
 - Goal: Develop a tool which controls the machine without physically touching based on gesture control.
 - Task: Built hand gesture volume control in python using Google's media pipe library for tracking hand movements. Which controlled the master volume of the computer based on hand positions.
 - (<https://github.com/VittalAB/HandGestureVoulmeControl>)

COURSE PROJECTS

- Floor Cleaning Bot** (*Course Project*)
(Guide: Prof. Unnati Koppikar., July'19-Sept'19)
 - Goal: A mall in hubballi is facing a shortage of human labour to clean the floor. They wish to automate this process by installing floor cleaning bots in mall. There is a need to design a bot which helps in maintaining cleanliness in mall.
 - Task: Developed a prototype of the bot using simulation tools like tinkercard and arduino IDE.
 - (<https://github.com/K-Division-2019-2020-Even/Repo-04/wiki>)
- Library Management System** (*Course Project*)
(Guide: Prof. Priyadarshini K., July'20-Aug'20)
 - Goal: Building a Library Management System in C language which demonstrated the usage of data structure usage in real time application of library management system.
 - Task: Built an C application with basic data structures like linked list, hashing, binary tree to perform activities of

library management system.

◦ (<https://github.com/VittalAB/Library-Management-in-C>)

- **Rehabilitation Database** (*Course Project*)

(Guide: Prof. Sunita P.G., July'20-Aug'20)

- Goal: Develop a database for storing and managing details of a rehabilitation center.
- Task: Built a database application using PHP and MySQL as a backend and HTML, JS, CSS for frontend to collect data from user.
- (<https://github.com/VittalAB/REHABILITATION-DATABASE/wiki>)

- **Football Management System** (*Course Project*)

(Guide: Prof. Manjula Pawar, July'20-Aug'20)

- Goal: Develop a Football Management System using OOPS Design Patterns.
- Task: Built a C++ application which demonstrated the template and strategy design pattern along with game simulation.
- (<https://github.com/VittalAB/OOPS-PROJECT-DESIGN-PATTERN-DEMO>)

- **Blog Website** (*Course Project*)

(Guide: Prof. Soumya C.V, July'20-Aug'20)

- Goal: Build a blog website using MERN stack.
- Task: Built a Blog Website using MERN stack approach with MongoDB cloud database.

TECHNICAL SKILLS

- **Programming & Scripting Languages:** C, C++, Javascript, Python, HTML, CSS, Bash Script.
- **Tools & Libraries:** MATLAB, OpenCV, PyTorch, TensorFlow, Github, Arduino IDE, Ethereum Remix IDE.
- **Web Technology:** Django, JavaScript, ReactJS, AngularJS, Electron JS, Node JS.

PROFILE

- **LinkedIn Profile:** (<https://www.linkedin.com/in/vittal-badami-450812231/>)
- **Github Profile:** (<https://github.com/vittalab>)
- **Medium Profile(Blog Website):** (<https://medium.com/@vittal.a.badami0107>)

CERTIFICATIONS & ACCOMPLISHMENTS

- **Hackerrank Certifications:** (https://www.hackerrank.com/vittal_a_badami1)
- **Codechef Profile:** (https://www.codechef.com/users/vittal_6)

LANGUAGES

- **Native:** Kannada
- **Others:** English, Hindi

STRENGTHS

- **Self-Confident, Problem Solver, Hardworking, Dedicated, Leadership, Team Work.**

INTEREST & HOBBIES

- **Travelling, Drawing and Arts, Cooking, Spending time with nature.**