

Vishal Chandru
52/20, Dhanush Apt, S1,
Gajapathy Street, Shenoy Nagar,
Tamil Nadu, Chennai – 600030
Phone: +91 7397407099, vishalchandru3004@gmail.com

EDUCATION

Bachelors in Mechatronics Engineering
Rajalakshmi Engineering College, Thandalam, Tamil Nadu, India
CGPA – 7.49

Aug 2016 to Nov 2020

WORK EXPERIENCE

Software Engineer, Larsen & Toubro Infotech, Chennai, India

Jan 2020 to present

- Currently working as a full-time employee at a MNC in India
- Am involved in creating and testing web applications for the international clients of LTI
- Working in 2 projects in the tenure as employee – Mercer Mobility Management Platform & Mercer Comptryx Dashboard
- **Environment:** Core JAVA, JAVASCRIPT, PL/SQL, HTML, Cloud Deployment, Cypress, WebDriverIO.

Student Trainee, Innomatics Research Labs, Hyderabad, India

Oct 2021 to present

- Currently working as a part-time trainee in Data Science, issued by IBM at a start-up in India
- My challenge involved in learning and building Machine Learning & Neural Network models, to solve real-time industry level problems, by mining, cleaning, organizing and processing the data.
- Working in real-time projects – Case Study on Identifying Fraudulent Bank transactions, Developing ChatBot, Data Visualizations
- **Environment:** Python, Flask, SQL, Statistics, Machine Learning, Deep Learning – ANN, RNN, CNN, Natural Language Processing (NLP), Tableau

NOTABLE PROJECTS

Application of Deep Learning in Gesture Recognition in Automated Car Parking

Aug 2019 to Mar 2020

- Goal of the project is to effectively recognize Gestures of the driver, to navigate the rover (prototype) in and out of the garage, by the use of Deep Learning – Convolution Neural Networks.
- My task was to learn and apply Convolution Neural Networks, to recognize gestures of the owner to automate the parking of a car into garage, in order to solve the parking trouble of driver population. It was my responsibility to lead the team of four, with similar interests, in achieving the goal of the project.
- Used ESPWifi Module and Arduino UNO, to wirelessly transfer the result of the gesture recognition to the system attached to the prototype, to respectively move the rover in the desired direction.
- **Environment:** Python, Deep Learning Model, Arduino UNO, ESPWifi, Classification models, Web Development.

Biometric Face Recognition Security System

Apr 2019 to Oct 2019

- Goal of a project is to design and fabricate an effectively secure safe, which uses Face Recognition models by the use of Machine Learning and Open CV tools to identify the owner to unlock the prototype (safe).
- Finished the literature survey phase of the project, studied various state of the art methodologies that can be employed to design efficient, and affordable safe and use emerging technologies such as Machine Learning to scale down the cost of expensive cameras. Simulated and verified the computational algorithm in Python IDE.
- Used Arduino to transfer data from PC to the safe, thereby creating a seamless buffer-free environment for the system to do its mechanical task of locking and unlocking.
- **Environment:** Python, OpenCV, Arduino UNO, Tensor Flow, Image Classification and Image Recognition models.

POSITION OF RESPONSIBILITY

Representative of Council of Students for Mechatronics

COSMO, Rajalakshmi Engineering College, Thandalam, India

Aug 2018 to Nov 2020

Volunteer at ENACTUS

Entrepreneurship-Cell, Rajalakshmi Engineering College, Thandalam, India

Jan 2018 to Nov 2020

SKILLS

- ***Preferred Programming Language:*** Core JAVA, Python, C, C++
- ***Specialized in:*** Statistics, Data Visualization, Machine Learning, Data Science
- ***Experienced in:*** Inter-disciplinary Projects, Research and Development of new technologies
- ***Software Experience:*** Anaconda, Spyder, Tableau, Jupyter Notebook
- ***Database Management Experience:*** JDBC, My SQL, PL/SQL, Oracle
- ***Other Skills:*** Arduino, Raspberry Pi, Git, CI/CD, Linux

EXTRA CURRICULAR ACTIVITIES

- Represented college football team and department team. ***Jan 2017 to Jan 2020***
- Reading and watching biographies, and Sci-Fi
- Part of college debate club ***Jan 2018***
- Event Management - Organizing festival and cultural events in my apartment association (2018, 2019 Diwali Celebrations), (2018,2019 Christmas Events), (2019,2020 New Year Party)
- Building Websites, - Dynamic and Static (Movie Review Site- Using JSP, Netbeans). ***Sep 2018***
- Learning new technologies and implementing them – (Full Stack Developer, AWS Cloud, Data Science -IBM, Core JAVA, Python) ***Jul 2020 to present***

LinkedIn ID: [linkedin.com/in/vishal-chandru-952a62182](https://www.linkedin.com/in/vishal-chandru-952a62182)