

RAKSHITH NAGARAJU

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ACADEMIC QUALIFICATION

Bachelor of Engineering in Computer Science, Vemana Institute of Technology, Bangalore; affiliated to Visvesvaraya Technological University. Percentage: 62%: Aug'14-May'18.'

EXPERIENCES

- Worked as an Intern at Confictura Solutions and Technology Pvt Ltd for 6 months. (Jul'18-Dec'18)
- Currently working as a Developer at Confictura Solutions and Technology Pvt Ltd (May'19)

PROJECTS

- Worked on a project titled 'Digital Signage'. (Aug'18-Nov'18)
 - Raspberry Pi devices can be controlled and manage video remotely using computer.
 - Advertisement can be scheduled from specific time and date
 - It can play multiple formats of images and videos.
 - Can be used to display emergency messages.
 - Python was used to develop the application
- Worked on project titled 'Detection model generator'(May'19-Aug'19)
 - The software supports automated process of training and test the model.
 - Supports multiple models (Single shot detection, Convolutional Neural Networks, Region Convolution Neural Networks) to be trained on same dataset.
 - Automated the process of learning rate and classification weights changes based on the evaluation output data.
 - Built on Tensor flow framework.
- Worked on Face Recognition System. (Aug'19-Nov'19)
 - The software is used as a security Surveillance for detecting unknown faces.
 - Mainly based on K Neighbors and Support Vector machine algorithms.
 - Based on Python Programming language.
 - Can be deployed on IOT Devices like Raspberry pi 3, Raspberry pi 4 or Nvidia Jetson Nano

SOLO PROJECTS

- Worked on a Machine learning framework.
 - The framework can train multiple models like regressions and classification.
 - Included data preprocessing functions which deals with data imbalance, data cleaning, data shuffling, data imputing, data encoding, feature scaling.
 - The framework supports various types of cross validations Kfold, train test split.
 - All the above setting can be changed by simply true or false commands.

ACADEMIC PROJECTS

Title: 'Karnataka Reddy Jana Sangha Life Time Membership Database Management

Duration: Jan-April'18

Team size: 3

Brief Description: The project involved building a low-cost application to enable easy store and access of the member details in an organized way. The application was built on the Java platform with the help of the MySQL and the program was designed using HTML, CSS and Bootstrap and also had real-time tracking of membership status.

Individual Role: My role focused on developing the backend structure of the application which mainly deals with storing data, using MySQL, the real-time tracking of membership status which is sent to the member via phone or mail. Further, the format and structure of the ID card to be printed was developed using Java

ONLINE PROFILES

- GitHub : <https://github.com/rakshithrddy>
- LinkedIn: <https://www.linkedin.com/in/rakshith-n-18a75a169/>
- Kaggle: <https://www.kaggle.com/rakshithrddy>

TECHNICAL SKILLS

- **Programming Languages:** Python(expert), Java(intermediate).
- **Frameworks:** Tensorflow, Pytorch, Django.
- **Query Languages:** MongoDB, MySql, Sqlite.
- **Packages:** Scikit learn, Numpy, Pandas, Matplotlib, Keras.
- **Operating Systems:** MS Windows, Linux, Mac OS
- **Other skills:** Adobe Photoshop, MS Word, Power Point
- **Data Visualization:** Excel, Tableau(beginner)

WORKSHOPS/TRAININGS

- Machine Learning and Deep Learning at Besant Technologies, Bangalore. (Aug' 18)
- Completed online course on Machine Learning, Artificial Neural Networks, Tableau from Udemy.
- Completed online course on NLP and Computer Vision from Udemy.
- Completed online course on Python masterclass with Django from Udemy.

SEMINAR/PRESENTATION

- Delivered a seminar on 'Android Based Multimodal Biometric Identification using Feature Level Fusion' and discussed working of face detection and biometrics and also the basic algorithms used to extract the important features from the image at college, Bangalore (Apr'18).

EXTRACURRICULAR ACTIVITIES

- Appointed as Student Coordinator in Photography event and a Volunteer in organizing 'Farewell' for our seniors at college (May'18).
- Participated in various 'Photography' events held at school and college.