B V VIJAY

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CAREER OBJECTIVE

Seeking full time career with an organization with keen interest in practical exposure in software development. To work also to learn and enhance my knowledge.

ACADEMIC PROFILE

- **MTECH** in **Computer Network Engineering** from VTU in 2015 at ***Dayananda Sagar College of Engineering***, Bangalore with **74.3%.**
- **BE** in **Information Science Engineering** from VTU in 2012 at ***Kalpataru Institute of Technology***, Tiptur with **66.74%.**
- **Pre University** at ***BEML Composite Junior College***, BEML Nagar, in 2008 with **65.83%.**
- **Matriculation** at ***Kendriya Vidyalaya,*** BEML Nagar, in 2006 with **66.4%.**

TECHNICAL SKILLS

- Programming languages C,C++,Oracle DB,R.
- Functionalities of 7 layers of OSI reference model.

ACADEMIC PROJECTS

Project 1: **Jan 2015-June 2015**

"Enhancing tracking learning detection algorithm to multiple objects tracking in the presence of occlusion"

- The project is the enhancement of tracking learning detection (TLD) algorithm which overcomes the limitation of single object tracking.
- The enhanced TLD algorithm focuses on multiple object tracking and to track objects undergoing partial or full occlusions.
- Improves the characteristics and performance of tracking learning detection (TLD) algorithm, effectively used in aerial as well as general video sequences.
- Study the working of TLD algorithm and base implementation of the algorithm and checking its performance on various video sequences involving occlusion mainly focusing on aerial videos.
- Calculation of performance measures precision, recall and F-measure.
- Prepared detailed report on the project.

Project 2: **Feb 2012-May 2012**

"Location based spatial query processing in wireless environment"

- Location based spatial queries (LBSQs) refer to spatial queries whose answers rely on the location of the inquirer.
- A significant challenge presented by wireless broadcasting environments is that they have excellent scalability but often exhibit high latency database access.
- Presenting a new query processing technique based on peer to peer sharing enabling to process queries without delay.
- The high latency can be achieved by using query results in neighboring mobile peers.
- This is illustrated through extensive simulation result.

EXPERIENCE

NIELSEN SPORTS INDIA PRIVATE LIMITED **Mar 2021-Aug 2021**

(Deputed through RANDSTAD INDIA PRIVATE LIMITED)

- Worked as 'Trainee Analyst' in a media evaluation related to sports sourced from various platforms including television, social media or OTT platforms.
- Going through video content in the form of frames and selecting by marking all legible brands and moving them to specific locations based on Tracking Rules (TR) explained.
- This procedure includes 3 steps
    1. **Marking** - Marking all legible brands in each frame one after the other by . marking a box around each brand.
    2. **Mosaic 1** - Moving the legible marked brands to their specific locations.
    3. **Mosaic 2** - Checking each individual brands are present in their specific locations if not present moving it to their specific location.
- 'V brand' is the tool used.
- Worked on different sports.

ICAR-NIVEDI **Oct 2017-Dec 2017**

- Working on R programming.
- Creation of data structures in R, user defined functions.
- Understanding and updating the NADRES R program for different parameters.
- Executing the R code for generating risk maps based on the data.

- Assisted in practical of programming lab during the academic year 2014-2015 in **Dayananda Sagar College of Engineering**.

CERTIFICATIONS

- Research publication on "**Enhancing Tracking Learning Detection (TLD) Algorithm to Multiple Object Tracking in the Presence of Occlusion**" National Conference on Green Computing Technologies (NCGCT-2015).
- Underwent a 'FEEL Employable' learning and development intervention conducted by CLHRD in our college KIT, Tiptur.
- Participated in All India General Knowledge Test conducted by the All India Board of General Knowledge Test, a wing of USO.

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