Ganapathy Ram Krishnakumar

Masters Student in Informatics

"In Pursuit of Knowledge Forever More" - The Foremost Objective in the Professional Life.

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EDUCATION

Master of Science in Informatics
Université Grenoble Alpes

09/2015 – Present *Grenoble, France*

Courses

- Algorithm and Program Design
- Computer Network Principles
- Human Computer Interaction
- Adaptive Computing Systems

Bachelor of Computer Science and Engineering
SJB Institute of Technology

09/2011 – 05/2015 *Bangalore , India*

Courses

- Design and Analysis of Algorithm
- Software Engineering
- Computer Vision
- Formal Languages and Automata Theory

INTERNSHIP EXPERIENCE

Research Intern
INRIA/ Laboratoire Jean Kuntzmann

02/2017 – 07/2017 *Grenoble, France*

French Institute for Research and Development in Mathematics and Informatics

Achievements/Tasks

- Motion tracking of a plant during its growth.
- Study the relevant bibliography about non-rigid shape tracking.
- Propose Solution to obtain the centreline of a plant model based on acquired datasets.
- Validate the solution on acquired datasets of Averrhoa Carambola and other plants.

Informatics Research Intern
TIMC-IMAG Laboratory

02/2016 – 06/2016 *Grenoble, France*

A Medical Engineering and Complexity Laboratory

Tasks/Achievements

- Collect and read Bibliography on the topic of Brain Segmentation.
- Categorising the different Segmentation Algorithms and analysing them.
- Propose improvements to an already existing method to improve the algorithm.
- Test if the segmentation algorithm is able to differentiate the different tissue types in the human brain.

SKILLS & COMPETENCES

AngularJS | Bootstrap | C,C++ | CSS | HTML5 | Java | JavaScript | macOS | Python | GitHub | Django | React | Redux

PERSONAL PROJECTS

Smart Hub: Making Cities Smarter (02/2016 – 05/2016)

- A HCI design project with the objective of learning the different ways to gather information and group them to build a intuitive UI
- Also understand how design revolves around requirements. Link to the designed document: http://bit.ly/Ram_ui

Efficient Top-K Document Retrieval in Text Mining (02/2015 – 06/2015)

- The project is basically an analysis of between 2 algorithms i.e The Bisecting K-Means algorithm and The Traditional K-Means algorithm.
- The result of this project shows that the Bisecting K-Mean is much more efficient in Text Mining rather than the traditional K-means algorithm.

CERTIFICATES

Microsoft Certified Professional

Microsoft Technical Associate in Fundamentals of Operating System

LANGUAGES

English	●●●●●
French	●●●○○
Kannada	●●●●●
Tamil	●●●●●

INTERESTS

Application Development | Bio-Informatics | Entrepreneurship | Information Architecture | UI & UX Design | UI Design | Web Design