Akhil P M

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OBJECTIVE

To secure a promising, successful and challenging career in a reputed organization where my knowledge and skill can be effectively applied, enabling me to explore myself fully and realize my full potential.

EDUCATION

Master of Technology in Machine Learning & Computing   *2014-Present*
Indian Institute of Space Science & Technology   (*http://www.iist.ac.in*)
CGPA : **8.1** *Till now*

Bachelor of Technology in Computer Science & Engineering   *2009-2013*
University of kerala
College Of Engineering, Trivandrum, Kerala.   (*http://www.cet.ac.in*)
CGPA : **7.69**

Higher Secondary Education,   *2008*
Kerala State Board of Higher Secondary Education.
Score : **90.00%**

Matriculation   *2006*
Kerala State Board of Secondary Education.
Score : **88.00%**

TECHNICAL SKILLS

Programming Languages : C, C++, PYTHON, Matlab, Java, JavaScript*(basics)*
Operating Systems: GNU/Linux, Microsoft Windows XP/7
Software Packages: Eclipse, GCC, GDB, LATEX.

PROJECTS

An Improved PSO Algorithm for Solving TSP with Edge Recombination Operator   *2014*
We modified discrete-PSO algorithm proposed for solving TSP, with the use of edge recombination operator for redefining the dependant moves in PSO. The new algorithm showed significantly better performance than the edge recombination crossover based GA, in terms of convergence rate and quality of solutions for benchmark problems from TSPLIB.

Machine Parsable RESTfull web API   *2013*
A RESTful web API is a web API implemented using *HTTP* and the principles of *REST(Representational State Transfer)*. By using a *Microformats* -like grammar that helps to annotate semantics into the already existing documentation of REST services doubling them as machine-readable descriptions. Moreover, these basic annotations help to link between RESTful services in the same domain and enable automatic discovery and composition(creating *Mashups*).

Graphical Interface to manage BOINC projects   *2011*
We implemented a graphical interface in Java to control BOINC server and to allow easy deployment of BOINC apps and work units.

ACTIVITIES & AWARDS

- Event co-ordinator of Linux kernel API programming on Drishti-2012 annual tech fest of College of Engineering,Trivandrum.
- Conducted a presentation on GREEN IT in CETEX 2010, a technical exhibition conducted by College of Engineering,Trivandrum.
- Won CETAA(College of Engineering,Trivandrum Alumini Association)award for meritorious student in 2009

SKILLS &
HOBBIES

Languages
- English
- Malayalam
- Hindi

Hobbies
- Trekking
- Swimming
- Blogging
- Cooking

PERSONAL
DETAILS

Date of Birth: 11 April 1991
Nationality: Indian
Marital Status: unmarried
Permanent Address:
Pilakkatt Meethal House,
Kuruvangad P O,
Koyilandy,
Calicut,
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