

DIVAKAR ALLAVARAPU

CAREER OBJECTIVE

Aspiring for successful and challenging career with leading hi-tech environment will utilize my skills for the benefit of the institute.

EDUCATIONAL QUALIFICATIONS

- Peruseuing PhD in JNTU Kakinada in the area of Cloud Computing
- PG diploma in Project Management from University of Hyderabad, Hyderabad, with 69.5%.
- M.Tech Computer Science specialized in Artificial Intelligence from University of Hyderabad, Hyderabad, 2006-2008 with 7.76/10 (CGPA).
- B.Tech in Computer Science and Engineering from Avanthi Institute of Engineering & Technology, Visakhapatnam completed in 2006 with 69.25%.
- Diploma in Computer Engineering from T.P polytechnic, Bobbili completed in 2002 with an aggregate of 63.8%.

EXTRA-CURRICULAR ACTIVITIES

- Seminar on 'Introduction to Cloud computing' on July 24 in GITAM University
- Initiated Linux user group in GITAM University and organized two seminars on “Linux installation Fest and Python Programming”
- Examination Coordinator (During 2009-2010), CSE Department, GITAM University.
- Article presented on “Multi-core Programming” in Speck Systems Limited Internal Magazine (on Feb-2009).
- Poster Presented in University Hyderabad on “Porting UHA Scheduler form Linux to Solaris” in Department anniversary day in 2007.
- Showcased Interoperability between PBS and Windows-CCS work in Supercomputing 07, Reno, USA as PBS demonstration by Altair Engineering (Internship offered company).
- Presented paper on “Intelligent Vehicle” at a conference conducted by Confederation of Indian Industries (CII), Chennai.

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SEMINARS/ WORKSHOPS ATTENDED

- Faculty development program on “selected topics in Software Engineering” in IITKgp on March 18 to 24, 2010
- Faculty development program on “FDP – Cloud Computing: Algorithms & Architecture” on 28 June to 2nd July 2010 at NITC

TECHNICAL SKILLS

- Languages: C, C++, Java
- Platforms: Linux, Solaris, Windows
- Tools: LinCAT, PBS, MPI, OpenMP, GDB

AREAS OF INTEREST

- Operating Systems, Object Oriented Programming concepts
- Linux Kernel Programming, Linux Scheduling

PROFESSIONAL EXPERIENCE

GITAM UNIVERSITY, Assistant Professor (August 2009 to till date)

Subjects Taught:

Operating Systems, Open Source Technologies, Cloud Computing, Unix Programming, Data Structures

SPECK SYSTEMS LIMITED, Programmer – GIS team, Projects Developed: Terrain Analysis for Military applications, (Oct-2008 to July -2009)

Terrain analysis is the approach to analyzing the enemy, weather and terrain in a specific geographic area. Simply tells how terrain, weather and enemy movements effects on vehicle movement. In this project we have developed Terrain database for military application and intelligent path finder and avenue of approach modules.

PROJECTS

1. Port UHA Job Manager on 64-bit Solaris Operating System

Ported the University of Hyderabad an ADRIN Resource Manager (UHA) is High throughput Scheduler on Solaris 64-bit AMD x86-64 architecture to support high performance computing environment.

2. Interoperability between Heterogeneous High Performances Computing schedulers. (Altair Engineering, Bangalore)

The HPC Basic Profile is a proposed Open Grid Forum (OGF) interoperability specification. It is meant for Job submission and management between HPC systems. Getting Job information from PBS, Sending this Job to Windows-CCS, Getting Job status from Windows-CCS and update status in PBS are some of the key modules implemented.

3. "i- Vehicle"- Advanced Automated Intelligent Vehicle

Vehicles Atomized using advanced technologies such as Object detection, Distributed Communication, GIS, GPS, Decision making for a completely automated future.

DECLARATION

I hereby declare that the above furnished information is true and correct to the best of my knowledge and I am solely responsible for its accuracy.

(V.V.L. Divakar Allavarapu)