

Sandeep Sadanandan

Personal Details

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Date of Birth 16. March 1982 in Coimbatore, India.

Nationality Indian

Objective

To be a part of a creative and challenging environment where I can learn new things while putting my expertise into practice.

Education

10/1999–06/2003 Bachelor of Technology – Computer Science and Engineering
University of Calicut, India.
Thesis: Porting Valgrind from Linux to FreeBSD.

08/2003–06/2005 Master of Technology – Computer Science and Engineering
Indian Institute of Technology Madras, IITM, India.
Thesis: Addition in the Jacobian of Hyperelliptic Curves.

09/2004–06/2005 Master Thesis at Technical University Munich with DAAD scholarship.

Since 04/2006 Pursuing PhD at Technical University Munich (TUM).
Guide: Prof. Dr. Ernst W Mayr, Chair for Efficient Algorithms.
Field: Special Algorithms for Gröbner Basis and Cryptography
<http://www14.in.tum.de/personen/sadanand/>

Research Interests

Computer Algebra, Algorithm Design, Cryptography, Theoretical Computer Science.

Publications

Linux Gazette Process Tracing Using Ptrace – part I
Process Tracing Using Ptrace – part II
Process Tracing Using Ptrace – part III

Linux Howtos Valgrind Howto – About the malloc debugger (co-authored)
GCC Inline Assembly Howto

Professional Experience

- 07/2005–03/2006 Software Design Engineer at *Microsoft R&D*, Hyderabad, India.
Was responsible for the design and implementation of CRM-Office add-in/snap-in from Microsoft Dynamics. Designed the interface between MS-Office and MSCRM back-ends for the snap-in.
- 10/2006–03/2007 Teaching assistantship at *TUM*.
Worked with Prof. Ernst W Mayr for the course “Fundamental Algorithms”. Prepared and delivered two hours tutorial every week.

Technical Knowledge

- Languages Well versed with C, C#, C++, good at Maple and Python, fair knowledge of Java, Shell-Script.
- Applications VIM, L^AT_EX, MS Office.
- Platforms UNIX (Linux, FreeBSD), Windows.

Honors and Achievements

- 03/2003 All India 118th rank in GATE.
- 09/2004–06/2005 DAAD Scholarship for Master Thesis at TUM.
- Since 04/2006 DFG scholarship for doctoral studies.

Languages

- English Fluent
- German Average
- Tamil, Hindi Good
- Malayalam Native speaker

Hobbies

Music, Reading, Photography, Programming.

References

Available on Request.

München, 24. June 2007