

Ashwini Kumar Rath

Programming Consultant, Writer & Entrepreneur

Introduction

A programming consultant, writer and entrepreneur.

A postgraduate in theoretical physics having more than eight years of software development and management experience. Currently working as the Director at ADII Research & Applications (P) Limited.

Current interest lies in applications of artificial intelligence techniques and algorithms in the areas of computer security and mission-critical business solutions, and self-healing information architecture and semantic web.

Assignments and Responsibilities

2005 - Till Date: Director at ADII Research & Applications (P) Limited (<http://www.adiipl.com>). Engaged in providing technical consultancy to companies abroad towards developing and deploying various enterprise-level applications. Established a specialized Web hosting services.

2003 - 2007: Director Technology at Bloochip Infoline (P) Ltd. Involved in the development of multi-function information systems intended to automate organizational activities.

2000 - 2003: Project Manager at AABSyS Information Technology Private Limited from October 2000 to March 2003. Responsible for developing and maintaining several medium to large Internet portals and Intranet systems for American organizations. Provided on-site consultancy in Switzerland for a legacy cartographic system for migration to a web based framework. Implemented a real-time data-collection system for AABSyS. Responsible for quality process regulation and resource planning for software development and data processing.

1999-2000: Producer and Director of PhYTooN.com, a content portal on contemporary science & technology in the year 1999 and during large part of the year 2000.

1998-99: Was Web-Editor of Plasma Science Society of India Newsletter

1996-1999: Was a Research Scholar at Institute for Plasma Research (an autonomous Institute of Department of Atomic Energy, Government of India). Completed one year of course work on Plasma Physics successfully. Worked extensively on Molecular Dynamics simulation (wrote codes in Fortran90 and C++ using object-oriented technology), and theory of Strongly Coupled Dusty Plasmas. Worked extensively on Sun Solaris, Dec Alpha, and HP machines.

I have been a visiting student to different Research Institutes such as TIFR (Mumbai), IUCAA (Pune), and IOP (Bhubaneswar) between 2004 and 2006.

Academic Qualifications

2000: Advanced Diploma in Software Management TechnoCampus, Globsyn Technology, Calcutta

1996: MSc (Physics) with specialization in Particle Physics and Gravitation, University of Hyderabad

1993: BSc (Hons.) in Physics with Distinction, Ravenshaw College (Utkal University)

1990: Higher Secondary (Phys, Chem., Math's, Biol.), Ravenshaw College (CHSE, Orissa)

1988: High School, Balikuda High School (BSE, Orissa)

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Skills & Expertise

Domain Expertise

Serial #	Expertise
1	Enterprise Resource Planning (ERP)
2	Customer Relationship Management (CRM)
3	Workflow Management, and Content Management
4	Scientific Computing and Statistical Simulations
5	Large and complex web portals, and E-Commerce Implementations
6	Server Administration, Data Warehouse, and Server Clustering
7	Business Intelligence & Data Mining
8	E-governance: Planning & Implementation
9	Gaming Platforms and Online Gaming
10	Embedded Systems and Consumer Electronics
11	Computer Security & Network Performance
12	Web Design & Development
13	IT Planning & IT Project Management

Technology & Programming Skills

Serial #	Topic	Subtopics
1	Client Platform	Linux, Unix, Windows, Mac
2	Server Platform: Linux (Debian, RedHat)	Linux, Unix, Windows
3	Programming Languages	C, C++, Java, PHP5, Perl, Ruby, Python, Fortran 90
4	Framework, Technologies & Protocols	.NET, J2EE, J2ME, LAMP, RoR, AJAX, Ontology, SOA, REST, Eclipse, Zend Platform
5	Specialised Systems & Products	APEX, MS Team Foundation Server, JBOSS, Web-CMS, Zope, Mambo, Drupal, Oracle Data Miner, MS Infopath, Microsoft Dynamics
6	Web Scripting	XML, HTML, XHTML, JavaScript, PHP5, Perl, Python, Ruby, ASP .NET
7	Database Systems	Oracle, MySQL, MS SQL Server, Sybase, Ingres
8	Web Design	Adobe Photoshop, Adobe Macromedia Flash, Dream weaver 8
9	Technical Writing	DocBook, LateX, MS Visio, UML
10	Software Testing	phpunit
11	Server Administration	Apache/IIS Configurations, CPanel, Plesk, Webmin, Server Clustering

Major IT Projects

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The details of the projects involving programming and web development may be accessed at <http://ashresort.com/profile/project-portfolio.html>

Professional Memberships

1. Life member of Plasma Science Society of India(<http://www.pssi.in/>)
2. Life member of SCAAA, a leading association of amateur astronomers
3. Professional Member of Association for Computing Machinery (<http://www.acm.org>)
4. Member of IEEE Computer Society (<http://www.computer.org>)

Personal Information

1. **Current Address:**
II Floor, 421 Saheed Nagar, Bhubaneswar 751 007, INDIA
2. **Permanent Address:**
Bhoda, Balikuda, Jagatsinghpur, Orissa 754 108, INDIA
3. **Date of Birth:** June 27, 1973
4. **Possess A Valid Passport; Nationality:** Indian
5. **Gender:** Male; **Marital Status:** Married

Special Interests

Amateur Astronomy, History, Mathematics

Language Skills

English, Oriya, Hindi, Sanskrit

Further Information and References

Further data regarding me and my work, and also references can be obtained on request.