

# ARUN SHARMA

## Personal Details

**Current Address:** Otto-Wels-Str. 8  
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CANADA

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## Work Experience

- 03.2009 – Present  
Kandahar, Afghanistan
- ICRC (INTERNATIONAL COMMITTEE OF THE RED CROSS)**  
Water and Habitat Specialist
- Programme Manager for the Mirwais District Hospital Water and Habitat team, a health facility with a 3,500,000 person catchment area
  - Working with the community, management board and local staff to identify requirements for technology implementation, training and process improvements.
  - Designing interventions appropriate for upgrading facilities and staff capacities in a sustainable manner
  - Implementing and following up on interventions.
- 12.2007 – 12.2008  
Chennai, India
- RURAL INNOVATIONS NETWORK**  
Lead – Water Innovations
- Leading a programme to identify and incubate sustainable water technologies, growing them from ideas to sustainable private enterprises.
  - Working with innovators to take their innovations from concept to enterprise through work on dissemination strategies and technical design
  - Developing networks amongst rural innovators from South India through liaising with NGOs, universities, cooperatives and local government
  - Holding innovator identification and training sessions to promote innovation in the water sector
  - Acting operations manager, working on strategic planning, monitoring and evaluation, marketing, financial planning and grant requests.
- 06.2006 – 09.2006  
Danane, Cote d'Ivoire
- MÉDECINS SANS FRONTIÈRES – HOLLAND**  
Water and Sanitation Specialist
- Managed a community and institutional water and sanitation intervention
  - Worked with institutional leaders to identify their requirements and translate this into programme activities
  - Extensive capacity building of local staff including classroom sessions, development of manuals and on-the-job training
  - Technical aspects included water chlorination, water filtration, community sanitation systems, physical waste disposal and malaria prevention through vector control.

- 05.2005 – 02.2006  
West Darfur, Sudan
- Médecins SANS FRONTIÈRES – HOLLAND  
Team Leader
- Managed a humanitarian intervention in an isolated border context
  - Managed the security, logistical and administrative requirements of a 100 person team treating over 6000 patients per month.
  - Worked closely with community leaders and local administration to design and implement hand pump upgrade programmes, hospital expansion programmes and mass vaccination campaigns.
- 03.2004 – 04.2005  
Toronto, Canada
- ACCENTURE  
Management Consultant
- Recognized as a top contributor (2<sup>nd</sup> best new recruit in Canada)
  - Analysed complex client systems and made recommendations to the client team on how to fix issues and implement efficiency improvements
  - Process design and improvement
  - Training of staff on new procedures and systems
- 09.2001 – 09.2003  
Toronto, Canada
- UNIVERSITY OF WATERLOO  
Teaching Assistant
- Developed lessons for oral delivery to groups of 100 students
  - Developed extensive written materials summarizing key concepts
  - Extensive one-on-one sessions with students delivering remedial help
  - Nominated as 'Best Teaching Assistant' in the Engineering Faculty
- 09.2000 – 12.2000  
Ottawa, Canada
- NATIONAL RESEARCH COUNCIL OF CANADA  
Researcher
- Technical project lead, responsible for project from planning through implementation and results analysis.

## Education

- 09.2006 – 08.2007  
Cambridge, UK
- UNIVERSITY OF CAMBRIDGE  
Master of Philosophy, Engineering for Sustainable Development
- A course focussed on practical and academic aspects of sustainable development.
  - Dissertation on characteristics of successful rural water supply programs.
- 09.2001 – 09.2003  
Waterloo, Canada
- UNIVERSITY OF WATERLOO  
Master of Applied Sciences, Electrical Engineering
- Thesis on design of next generation optical telecommunications.
  - Provincial Scholarship for Science and Technology
- 09.1996 – 04.2001  
Waterloo, Canada
- UNIVERSITY OF WATERLOO  
Bachelor of Applied Sciences, Electrical Engineering
- Final year average of 90% (A+) and term Dean's Honour List.

## Professional Activities

- 2008-Present  
Various
- ENGINEERS WITHOUT BORDERS UK  
Professional Network Project Reviewer
- Evaluating support requests and providing recommendations on likelihood of success, likely required resources and development impact.

12.2008 Chennai, India	<b>PAN IIT 2008</b> Speaker <ul style="list-style-type: none"> <li>○ Invited to speak in the entrepreneurship track</li> <li>○ An international conference with 3000 IIT alumni and internationally relevant speakers</li> </ul>
06.2008-12.2008 Chennai, India	<b>IIT-MADRAS 'INNOVATION AND SOCIAL ENTREPRENEURSHIP'</b> Course Co-founder <ul style="list-style-type: none"> <li>○ Co-proposer and designer of a new course at IIT-Madras</li> <li>○ First course of its kind in India</li> </ul>
06.2008-12.2008 Online	<b>NEXTBILLION.NET</b> Guest Writer <ul style="list-style-type: none"> <li>○ Contributed articles on innovation, social entrepreneurship and the characteristics of successful innovators.</li> </ul>
03.2008 Chennai, India	<b>GENESIS BUSINESS PLAN COMPETITION</b> Speaker and Judge <ul style="list-style-type: none"> <li>○ National business plan competition for social entrepreneurs</li> <li>○ Speaker and judge</li> </ul>

### Conferences and Courses

07.2008 Chennai, India	<b>EVALUATING SOCIAL PROGRAMMES</b> Jameel Poverty Action Lab at MIT <ul style="list-style-type: none"> <li>○ Using randomized trials for evaluating social programmes.</li> </ul>
06.2008 Lleida, Spain	<b>INTERNATIONAL DEVELOPMENT AND APPROPRIATE TECHNOLOGY TEACHING SUMMIT</b> <ul style="list-style-type: none"> <li>○ Curriculum development for courses on appropriate technology</li> <li>○ Attendance by invitation</li> </ul>
08.2007 Stockholm, Sweden	<b>WORLD WATER WEEK</b> Delegate
07.2007-08.2007 Cambridge, USA	<b>INTERNATIONAL DEVELOPMENT DESIGN SUMMIT (IDDS)</b> Massachusetts Institute of Technology (MIT) <ul style="list-style-type: none"> <li>○ An international summit to design technologies for poverty alleviation</li> <li>○ Led a team developing an improved water filter.</li> </ul>
06.2007 Clare Farm, UK	<b>FUNDAMENTALS OF HUMANITARIAN AID</b> RedR & Engineers without Borders UK <ul style="list-style-type: none"> <li>○ Hands-on training in water testing, water filtration, construction, brick making and surveying techniques.</li> </ul>

### Languages & Work Permits

English (Mother Tongue)	Urdu/Hindi (Good)
French (Good)	German (Functional)
Citizen of Canada. German Work Permit. Overseas Citizen of India.	

### References

Available upon request.