

Akhtar H. Khalil

Personal Profile Experience in business, industry, academia, research projects and work with companies from different countries developed a wide range of transferable skills - interpersonal, business acumen, ability to gather market intelligence and formulate a strategy, problem solving, and team working - that equip me for a career in a challenging environment. Creativity, hard work, technical astute and flexible nature allow for innovation and a respect for the opinions of others. My aim is to work in a challenging, constantly evolving, team-based environment that enables personal development coupled with the opportunity for travel.

Education

12/06 – 07/09 **Loughborough University, Loughborough, UK**

PhD in Communication Networks (Electrical & Electronics Engineering Department)

Result: Passed

- Analysis of the spam problem and the mechanisms to prevent it
- Developed an anti-spam mechanism that uses a novel idea of Access Codes to prevent spam
- Explored potential exploitation approaches
- Developed networking, presentation and interpersonal skills through the attendance of conferences and symposia
- Worked independently to design and plan nature of work, overcome problems and manage workload

2007 - 2008 **Loughborough University, Loughborough, UK**

MSc Modules

Attended the following MSc Modules:

- ATM Networks
- Communication Networks
- Communication Network Security and E-Commerce
- Information Theory and Coding

2001 – 2005 **National University of Sciences and Technology (NUST), Pakistan**

BSc. Electronics Engineering (Cumulative GPA: 3.08 / 4.00)

- Awarded a scholarship for outstanding performance in the entry test
- **BSC Final Year Project** – *“Design & Fabrication of Electronic Fuel Injection (EFI) system for Petrol & CNG Fuels”* – Sponsored by DEWAN FAROOQUE MOTORS LTD.

1999 - 2001 **Islamia College, Peshawar, Pakistan**

Intermediate – Pre-Engineering (Equivalent to A level standard)

7 subjects including Maths (A-1); Chemistry (A-1); Physics (A-1); English (A-1)

Overall Grade: A-1 (80.91 %)

Other Courses

06/08 – 11/08 **Loughborough College, Cisco Networking Academy, Loughborough, UK**

CCNA 1 – Network Fundamentals (Score: 95.3%)

CCNA 2 – Routing Protocols and Concepts (Score: 94%)

05/99 – 08/99 **CECOS Data Institute, Peshawar, Pakistan - Office Automation Course - (Grade: A-1)**

01/07 – 03/09 **Loughborough University, UK – Professional Development Courses**

(Please see appendix for details)

Work Experience

07/2009 - present **Employer: Loughborough University, Loughborough, UK**

Research Associate

- Research in the High Speed Networks group
- Analysis and writing proposals
- Helping and guiding undergraduate and postgraduate students

07/2007 – 9/2007 **Employer: Pera, Melton Mowbray, UK**

and

Analyst and proposal writer – (Twice)

2/2008 – 4/2008 • Communication skills developed through contacting different companies by emails, meetings and telephones; Worked with Pera Norway, Pera Spain, Pera France and Pera UK groups

- Writing research proposals for funding from European Commission
- Project management and feedback (both technical and market oriented) to the customer (company/organisation)
- Used company's software packages for cost analysis and finding budgets of the project
- Another achievement was finding a potential area of research and wrote a proposal for funding (on behalf of the company) from European Commission
- Compared the performance of the proposed solution with State-of-the-Art technologies/products
- Show the consortium management and impacts of the proposed solution/product
- I was commended for my first vacation work in 2007 (as a proposal writer) and was contacted in 2008 for another placement (vacation work) for a more responsible post (as an Analyst and proposal writer during vacations)

02/2006 –12/2006

Employer: *Cecos University, Peshawar, Pakistan*

Lecturer and course co-ordinator

- Teaching of up to 100 BSc undergraduates in lecture rooms
- Responsible for final year BSc students and their projects. Provided advice, guidance, and support to develop their own theories and knowledge
- Course co-ordinator of Electrical Engineering department.
- Designed an up-to-date detailed course outline for BSc-Electrical Engineering course
- Awarded a certificate and prize for my outstanding services to the university

2002 – 2005

Employer: *Faqir Hussain Food Grains (local supplier & whole sale distributor), Pakistan*

Customer Services Officer/General Manager

- Responding to customer enquiries; handling large sums of money; balancing tills
- Stock monitoring and control; purchasing different products
- Dealing with potential suppliers and whole sale customers
- Formulated a strategy (based on the gathered market intelligence) which increased the net sale and net profit
- Proposed a strategy/plan during the flour crisis in Pakistan. The plan was highly appreciated, implemented and successfully worked
- I was commended for my work and in 2004 was promoted to General Manager

Computer Skills

Extensive knowledge of Microsoft office programs and networking; Java language; C language; Dreamweaver for web development; Assembly Language: (8086/8088 Microprocessor Architecture and Intel 8051 family of Micro-controllers); Dreamweaver for web development; SWI Prolog Language; KEIL μ -vision (used for Embedded Systems design);

Languages

Pashto – native language; English – speak fluently and read/write with high proficiency; Urdu – speak fluently and read/write with high proficiency; Hindi – speak fluently; Punjabi – fair; Arabic – fair (not good at speaking but can read and write with high proficiency)

Achievements

First position in the "10th Intra Board Science Posters Competition" arranged by Pakistan Science Foundation, Islamabad
 Merit scholarship for 3rd position in the BSc Electronics Engineering NUST Entrance Test
 First position in the SSC Examination within the area of the Awami Khidmat Society
 Awarded a certificate for "The Best Division Captain of Army Public School, APS"
 Runner up of the Peshawar Board Inter-College Badminton Tournament
 Winner of the Golden Jubilee Badminton Tournament at APS, Peshawar
 Two times Winner of the Inter-division Badminton Tournament at APS, Peshawar
 Two times Winner of the Inter-division Squash Tournament at NUST university

Hobbies

- Squash and badminton – have achieved a number of achievements in these sports

Publications

- 3 conference publications
- One journal paper submitted and 3 ready for submission

Personal Details

Date of birth: 2nd June, 1983

Gender: Male

Cell no: 0044-7515029324

Email: akhtarhussain83@hotmail.com

Address: Flat 4, New Ashby Court

Loughborough

Leicestershire, UK

LE11 4EQ

References

Available on request

Appendix

01/07 to 03/09 ***Professional Development Courses - Loughborough University, UK***

- Managing Projects
- Commercialisation of Intellectual Property
- Creative Thinking
- Understanding Research Agreements
- The Art of Being Brilliant
- Dreamweaver 8
- Conference Planning and Organisation
- Teaching Skills
- RefWorks – In Depth
- Remote Working: an introduction to the VPN
- Academia, Intellectual Property and Enterprise
- The Enterprising Researcher
- Research Funding from Europe
- Commercialising your Research Ideas
- Networking Skills – Attending Conferences
- Making the Most of Your Voice
- Writing up PhD Thesis
- Designing and Producing Conference Posters
- Power Point for Presentation
- Supervising PhD Students

03/09 to 04/09 ***First Aid at Work Course Regulations 1981 – FAW 3 Year Certificate***

Organised at Loughborough University, UK

Test Passed (Certificate valid from 02/04/2009 to 01/04/2012)