Sachit Mahajan

12/68 (Old), Near Forest Office, Udhampur, Jammu and Kashmir, India.

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Education

2012-2013 University of Manchester, School of Electrical and Electronics Engineering

MSc Communication Engineering (Postgraduate Merit)

- Core modules include Wireless Communications and Mobile Networks, Digital Communication Engineering, Principles of Communication Systems, Antenna and RF Systems, Ad Hoc and Sensor Networks, Advanced Digital Signal Processing, Microwave Engineering, Project Management.

- Dissertation Topic- Brain tumor detection and localization using Time Reversal algorithm and FDTD Method. (Matlab, Simulink)

2008-2012 Punjab Technical University

B.Tech Electronics and Communication Engineering (First Class with Distinction)

- Studied modules focused on Electronics Engineering, Linear Control Systems, Computer Programming, Communication Engineering, Digital Signal Processing, Analog and Digital Electronics, Electromagnetism, IC Design, Embedded Systems, Satellite Communication.

- Minor Project- Designed a Skin Response Sensitometer.
- Final Year Project- Designed an RFID Based Attendance System.

Experience

January 2014 to May 2014 Independent Consultant

- Planned, evaluated and implemented business and personal projects.
- Monitored and reviewed market trends and changes to determine business opportunity and direction.

September 2013 to December 2013 Kiosk Assistant at Manchester United Football Club (UK)

- Worked in a sophisticated team, which controlled, managed and coordinated the kiosk area.
- Analyzed, planned, implemented various aspects of the sales and marketing department.

December 2011 to June 2012 Intern at Bharti Airtel Limited (India)

• Handled and managed unresolved technical issues relating to Device Testing, Operation and Maintenance of Switch Division, Software testing.
• Planned, conducted and participated in inspection and support tasks like RF Testing, Network Management (GSM, 3G).
• Coordinated with engineers and staff regarding best practices and requirements in Base Station.

June 2010 to July 2010 Intern at HFCL Infotel Limited (India)

• Project based training in Networking Department.
• Study of routing techniques.
• Handled and managed unresolved issues related to Networking.
• Assisting in installation and troubleshooting of software.

March 2012 to May 2012 Online Internship with Reform Fraternity

• Worked as a Content Developer for Reform Fraternity.

Awards:

- Awarded by Rotary International (NGO) for Voluntary Community Service.
- Awarded Graduate Innovation Fellowship by New York University (Poly), USA.
- Held the Position of School Captain (2007 to 2008).
- Awarded 'A' certificate by National Cadet Corps.
- Best shooter award by National Cadet Corps (Junior Division).

Additional Skills

• Certified Ethical Hacker
  • Learnt about the different techniques of Hacking and the countermeasures.

- Skills
  - Working experience in C++, CAD, Java, Labview, MatLab, Agilent ADS, CST Microwave Studio, Adobe Photoshop.
  - Working experience in Operating Systems (Windows Vista, 7, 8), Linux/Unix and Microsoft Office, Microsoft Project.

• Operation and Management Skills – Currently taking an online course at University of Pennsylvania, USA.
• Languages- Hindi (Fluent), English (Fluent), Punjabi (Fluent), French (Beginner).

Interests and Activities

• Volunteering for the community – have participated in many volunteer activities both in my community and at University level since I was 16 years old. Worked with Rotary International and Rotaract Manchester International for Polio Eradication and literacy awareness programmes.