Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Vivek Agrawal**
Address(es)	Forskarbacken 21, LGH 1114, Zip Code -114 15 , Stockholm, Sweden
Mobile	0046 764566301
E-mail	vagrawal@kth.se
Nationality	Indian
Date of birth	31st Dec, 1987
Gender	Male

Desired employment / Occupational field

Work experience

Dates	24th January, 2011 to 31st Dec, 2011
Occupation or position held	Test Engineer
Main activities and responsibilities	Automatic and Manual Testing.
Name and address of employer	Cinnober Financial Technology AB, Kungsgatan 36, SE-111 35 Stockholm, Sweden
Type of business or sector	Financial Technology

Education and training

Dates	August 2010 to present; Expected to be completed by end of September 2012.
Title of qualification awarded	Master of Science in Information and Communication Systems Security.
Principal subjects/occupational skills covered	Network Security, Vehicular Communication, Software Engineering and Security Architecture, Principle of Computer Security, Research Methodology and Scientific Communication, Security in Mobile and Wireless Networks, Advanced Internetworking, Security Management.
Name and type of organisation providing education and training	KTH, Royal Institute of Technology, School of Information and Communication Technology, SE - 100 44, Stockholm, Sweden.

Dates	August 2005 to August 2009
Title of qualification awarded	Bachelor of Technology in Information Technology
Principal subjects/occupational skills covered	Data Structure and Algorithms, Computer Organization and Architecture, Operating System, Formal Language and Automata, Software Engineering, Data Communication and Networking, Internetworking, Web Technology, Mobile Communication.
Name and type of organisation providing education and training	Heritage Institute of Technology, West Bengal University of Technology, Chowbaga Road, Anandapur, Kolkata 700 107, India

Personal skills and competences

Mother tongue(s)	**Hindi**

Other language(s)

Self-assessment

European level (*)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2

(*) Common European Framework of Reference for Languages

Social skills and competences	Team work:
Organisational skills and competences	Worked as the Chairman (IEEE Member ID: 90409680) of IEEE Students' Branch, Heritage Chapter from March 2008 to March 2009
Technical skills and competences	• Implemented Group signature schemes and evaluated their performance in Vehicular communication in Master Thesis (2012) • Designed LASER ACTUATED PRESENTATION SYSTEM for presentation industry under the guidance of Prof. Sandip Sarkar (SAHA INSTITUTE OF NUCLEAR PHYSICS) in 2010. • Designed a real time FACIAL RECOGNITION software using MATLAB in 2009. • Designed LASER ACTUATED MOUSE SYSTEM for physically challenged people under the guidance of Prof. Kuntal Ghosh (INDIAN STATISTICAL INSTITUTE, Kolkata) in 2008.
Computer skills and	Competent with C, java, HTML, JSP, JavaScript, DOT NET Framework, MATLAB.

competences	Skilled in Cryptography Frameworks and tools, Image Processing, Statistics, Pattern Recognition techniques.
Artistic skills and competences	Digital photography, playing Mouthorgan, Guitar, Music, reading books, Drawing
Other skills and competences	

- Secured 1st rank in Paper presentation in SPARX 09 held at ISM (Dhanbad, India).
  TOPIC: Laser Actuated Mouse System.
- Secured 2nd rank in SPARX 08 held at ISM (Dhanbad, India).
  TOPIC: Write a program to design a traffic control system using 8085 and 8255 microprocessor.
- Second runner up at IROBOTIX 07 held at HERITAGE INSTITUTE OF TECHNOLOGY (India).
  TOPIC: Create manual control robot which can bursts balloons present in the arena.
- Third runner up in the inter college TECH TRIVIA event held at HERITAGE INSTITUTE OF TECHNOLOGY (India).

Additional information

Publication

- Atul Chowdhary, Subhajit Karmakar, Vivek Agrawal, and Sandip Sarkar, "Investigation of Task based Gesture Recognition for Laser Actuated Presentation Systems", in The 6th IASTED International Conference on Human-Computer Interaction (IASTED HCI 2011), Track: 747-041, May 16 – 18, 2011, Washington, DC, USA.
- Atul Chowdhary, Vivek Agrawal, Subhajit Karmakar, and Sandip Sarkar (2011). "Web Camera Based Laser Actuated Presentation System". In S. Tripathi (Ed.), 3rd International Conference on Human Computer Interaction (India HCI 2011), ISBN: 978-1-4503-0729-1, 7-10April, Bangalore, India. New York: ACM.

Training

- Successfully completed the Summer Training (2008) on Image Processing at INDIAN STATISTICAL INSTITUTE (Kolkata).
- Successfully completed the INFOSYS CAMPUS CONNECT Programme (2007).

Scholarship

Recipient of Erasmus Mundus (Action II) Scholarship for Master's program at KTH.