PERSONAL INFORMATION	**Vishal Vishal**

Bahnhofstrasse 21, 64367 Muhltal (Germany)

+491624228345

vishal266@yahoo.co.in

Skype vishalaries888

Sex Male | Date of birth 24/03/1988 | Nationality Indian

POSITION	Software Engineer

WORK EXPERIENCE

10/08/2015–Present

Junior Researcher
Fraunhofer SIT, Darmstadt (Germany)
- Exploring the area of software obfuscation.
- Finding new techniques for more secure obfuscation and their performance evaluation.
- Applying these techniques on cloud software.

01/12/2013–31/03/2015

Junior Reasearch Assistant
Technical University Darmstadt, Darmstadt (Germany)
- Understanding and application of supervised and unsupervised learning techniques using semantic analysis to develop an algorithm for finding a coherent set of documents.
- Defining the clustering technique for initial filtering of documents from a large corpus(New York Times data-set).
- Implementing existing approaches and real user evaluation.
- Enhancement of existing algorithm using NLP techniques.

25/09/2014–24/08/2015

Student Assistant
Deutsche Telekom, Darmstadt (Germany)
- Indulge in development of Model based based(using PyModel) test suit framework for mobile handheld devices like e-reader, tablets and mobile phones using Sikuli framework.
- Writing test cases using Roboitum and Appium interface.
- Indulge in manual testing for android application and e-reader devices.

01/10/2012–25/09/2013

Lead Engineer
Samsung R&D Institute, Bangalore (India)
- **Real Time WIFI Traffic Generator**
  - Understanding and identifying the various traffic modeling parameters for different type of traffic.
  - Involved in research and scope estimation of the project.
  - Responsible for parsing algorithm development for raw packets flowing on the networks
  - Working on filing a patent for the design idea of the generator.
  - Responsible for network level communication algorithm for different traffic.
  - Implementing the different traffic models for different parameter.
  - Unit and functional testing of the modules

- **Test tool development for SIPC conformance**
  - □ Understanding the API to interacting with application processor an the communication processor.
  - □ Understanding Samsung the protocols for Samsung inter-process communication.
  - □ Designing the UI and the backend for interacting with AP and CP
  - □ Development of test suit using java
  - □ Scripting test cases using JUnit.

08/03/2010–25/08/2012	**Software Engineer**

Sasken Telecommunication Pvt Ltd., Bangalore (India)

- **Windows Multimedia (Video)**

  - □ To perform the unit testing for the fixes.
  - □ To perform the real time debugging using windows debugger and analyzing the logs and finding the root cause for the issue.
  - □ Development and integration of algorithms to improve the decode times for frames(MPEG-4,H264).
  - □ Responsible for technical analysis of assigned errors fixed /routed in Video module for windows phone

- **Audio DSP subsystem on mobile platform - Sustenance and Maintenance**
  - □ Performing Root Cause Analysis (RCA) by analyzing the logs obtained during real time use case and fixing the errors raised by various teams during different stages of productization process.
  - □ Responsible for technical analysis of assigned errors fixed /routed in Audio-Data(amr,mp3,3gp) Processing module.
  - □ Involved Testing tool development and automated testing by using Nokia testing tool ATS3 and AT Commands.
  - □ Involved Testing scripts development of Nokia head phones.
  - □ Involved in Agile methodology (Scrum).
  - □ Involved in performance testing of Audio Quality on mobile handsets.
  - □ Involved in documentation of the call flow and design requirements of automated test tools

EDUCATION AND TRAINING

01/10/2013–Present	**Master of Science : Distributed Software Systems**

Technical University Darmstadt, Darmstadt (Germany)

- Mobile Sensing
- Distributed Software Systems
- Software Defined Networking
- Software Project Management
- Operating Systems
- Network Security
- Peer to Peer Networks

■ Software Engineering Design Priciples

| 01/04/2005–31/07/2009 | **Bachelor of Technology** |

Kurukshetra University, Kurukshetra (India)

■ Computer Science
■ Digital Electronics
■ Cloud Computing
■ Network Security
■ Software Development
■ Embedded Systems
■ Machine Learning
■ Artificial Intelligence
■ Real Time Operating Systems

PERSONAL SKILLS

Mother tongue(s)   Hindi

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
C2	C2	C2	C2	C2
IELTS				
German				
A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills
■ Excellent communication skills gained through my interaction with abroad clients(Ireland,US,South Korea)
■ International exposure acquired while traveling onsite(South Korea)

Organisational / managerial skills
■ Management skills gained as a Lead Engineer and handled a team of 5.

Job-related skills
■ Research
■ Development
■ Testing(Automation and Manual)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Digital competences - Self-assessment grid

■ **Languages** : C, C#, Java(core), Python,R, Scala
■ **OS Platforms** : Android, WinCE, Linux, Windows.
■ **Automation Framework** : Sikuli, Robotium,Appium

- **Technology** : Natural Language Processing, Corpus Statistics, Data Visualization.
-

ADDITIONAL INFORMATION

Publications   StoryTelling : Connecting the news Articles(2014) at Informatiktage "Big data is beautiful"

- **Technology** : Natural Language Processing, Corpus Statistics, Data Visualization.