# Mohammed Fazal

Interactive Developer at Sapient

## Experience

**Interactive Developer  at   Sapient**

June 2014  -  Present (2 years 10 months)

   Involved in converting visual wire-frames into an interactive responsive application with cross-browser
   compatibility.

## Projects

**Autonomous Pick and place robot**

November 2012 to Present

Members:Mohammed Fazal, Manoj Babu, Suraj Srinivas, Prithvi S.S.

   Won first place at E-Yantra PAN India robotics challenge 2012, in the pick and place category.

**SNOW RESCUER**

February 2013 to March 2013

Members:Mohammed Fazal, Raghav Khandelwal, Pratik Prashant Pore

   The idea was to rescue the living organisms covered under snow due to avalanches. In the event of an
   avalanche (natural calamity) it's difficult to rescue the living organisms that got covered by snow. A
   prototype robot is build consist ofbalsa wood(to carry weight of components), arduino board(microcontroller
   board for operation), gps device, alarm system, a thermal camera and micro-motors withtyres covered with
   chain(for proper moving on snow). After the calamity is occurred, the robot was deployed for the rescue
   operation. When a strong signal ofheat (generated by blood) is received by thermal camera, the robot stops
   on the position of received signal and transmit the signal of the received heat signal to the control room with
   the gps location. The rescue team then rescues the living organism with the gps signal. Photonic camera was
   used instead of thermal camera as the technology of miniature thermal camera is not available.

**END-FIRE ARRAY SYNTHESIS AND DESIGN OF FEED NETWORK**

May 2013 to May 2014

Members:Mohammed Fazal, Raghav Khandelwal

   The performance parameter targeted in this project is Gain of the antenna. The gain is proportional to
   directive characteristic of radiation pattern and efficiency of the feed network. Thus the problem is in two
   fold, improving directivity and efficiency. The directivity of any radiation pattern is increased by narrowing
   main beam without increasing the side lobe levels considerably. The efficiency of any feed network can be
   improved by avoiding any use of attenuators in the design as the transmission lines that are considered to be
   lossless.

## Skills & Expertise

**HTML**
**JavaScript**
**Cascading Style Sheets (CSS)**
**CSS Sprites**
**C**
**Matlab**
**C++**
**Microsoft Office**
**Programming**
**Market Research**
**Java**
**PowerPoint**
**Microsoft Excel**
**Microsoft Word**
**Python**
**Verilog**
**Linux**
**AngularJS**

## Education

**PESIT**

Engineer's Degree, Electrical, Electronics and Communications Engineering, 2010 - 2014

## Languages

**English**
**Hindi**
**Kannada**

## Certifications

**Building a Website with Node.js and Express.js**

lynda.com   License 8841C0    August 2014 to August 2014

**Up and Running with AngularJS**

lynda.com   License 6B3945    November 2014 to November 2014

**Up and Running with Backbone.js**

lynda.com   License 9BB41C    February 2015 to February 2015

**Effective Design of RESTful APIs**

lynda.com   License 2CD3FF    February 2015 to February 2015

**Java Essential Training (2011)**

lynda.com   License 80C3D2    February 2015 to February 2015

**Node.js Essential Training**

lynda.com   License 97780B    February 2015 to February 2015

**Building a Data-Driven App with AngularJS (2014)**

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Contact Mohammed on LinkedIn