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# AMAR BHATT

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## EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY, *Rochester, NY*

Bachelor of Science/ Master of Science (BS/MS) in Computer Engineering, Minor in Economics (*expected May 2017*)

GPA: 3.886/4.000     *Dean's List:* 2012-2013, 2013-2014

*Related Coursework:* Data Structures, Object-Oriented Programming, Assembly Language, Applied Programming\*, Machine Learning\*, Circuits, Electronics\*, Digital Systems Design, Computer Organization, Computer Architecture\*, Data and Communication Networks\*, Medical Physics and Instrumentation\*

## EXPERIENCE

RESEARCH ASSISTANT (*Sept 2014 – Present*)

*Machine Intelligence Lab @ RIT, Rochester, NY*

- Work on the development of an autonomous wheel chair
- Integrate sensors and components
- Design printed circuit boards using CadSoft EAGLE

APPLICATION DEVELOPER (*Aug 2014 – Present*)

*Database Management Systems, Syracuse, NY*

- Review customer requirements
- Develop under various technology constraints

SOFTWARE ENGINEERING CO-OP (*Jan 2014 – July 2014*)

*Intuit, San Diego, CA*

- Developed mobile responsive web apps
- Designed REST APIs utilizing various web services
- Increased customer completion by 5%

DATABASE INTERN (*May 2013 – Aug 2013*)

*National Grid, Syracuse, NY*

- Administered and validated data on Itron databases
- Reduced database entry and process time by 80%

## SKILLS

LANGUAGES: Java, Python, Android SDK, C\*, C++\*,  
MatLab, Assembly, VHDL, Arduino, HTML,  
JavaScript, CSS, VBScript

SIMULATORS/IDE: Quartus, ModelSim, OrCad, Pspice,  
Eclipse, Android Studio, VIM

FRAMEWORKS: Jasmine, Django, BackboneJS, AngularJS

MICROCONTROLLERS: Arduino, MBed, HCS12

ROBOTICS: Motor driving, Sensor integration

I/O: Bluetooth, Serial Communication, Infrared

CIRCUITRY: Digital System Design, Voltage regulation,  
Relay/Transistor switches, Soldering

## NOTABLE PROJECTS

AUTONOMOUS PATH FINDING ROBOT (Arduino)\* (*2014*)

- Built obstacle avoidance robot using an ultra-sonic sensor
- Developed a pathfinding algorithm

SOCIAL PROOF WIDGET (Web Technologies) (*April 2014*)

- First place in Codechella (week long hack-a-thon)
- Implemented a Java REST service using JAX-RS
- Processed data from several social media sites
- 4% increase in customers creating TurboTax accounts

RIT48- GOTSTYLE [First Place - \$1500] (*Nov 2013*)

- Created and launched a start-up in 48 hours
- Programmed application in Android as the head developer

SCROLLME (Android) (*Summer 2013*)

- Integrated various social media sites in one app
- Published and localized application on Google Play Store

AUTOMATED LINE FOLLOWING CAR (C++) (*May 2013*)

- Modified an RC car to follow a black-lined track
- Used MBed microcontroller and Pololu Light Sensor

## LEADERSHIP

INSTITUTE APPEALS BOARD (*2015 – Present*)

GLOBAL UNION VICE-PRESIDENT (*2014 – Present*)

- Lead a team of students from various backgrounds
- Supervised the collaboration of 20+ cultural clubs

OASIS PRESIDENT (*2013 – 2014*)

- Planned the largest Dandiya Event to date
- Diversified events to incorporate 7 different countries

OASIS DIRECTOR OF PROGRAMMING (*2012 – 2013*)

- Planned flow of various events
- Directed resources and personnel

TEARNEY'S MARTIAL ARTS (*1999 – 2010*)

- Achieved rank of Shodan Black Belt
- Instructed martial arts to students of various levels

*\*currently in progress*