

# Anurag Bihani

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## Education:

### Master of Science in Computer Science

Aug 2016 - May 2018

University of Florida, U.S.A.

*Relevant Courses:* Analysis of Algorithms, Advanced Data structures, Machine Learning, Distributed Operating Systems

*GPA:* 3.51/4.00

### Bachelor of Computer Engineering

Aug 2012 - Aug 2016

University of Pune, India

*Relevant Courses:* Data Mining, Cloud Computing, High Performance Computing, Object Oriented & Multicore Programming

*GPA:* 67.8/100, First Class with Distinction

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## Technical Skills:

*Programming Languages:* Java, C++, C, Python, JavaScript, PHP, MATLAB, R, C#

*Libraries/Frameworks:* Node.js, Angular, Ionic, CUDA, Numpy, TensorFlow, Nginx, Apache Mesos

*Databases:* MySQL, MongoDB

*Other Tools:* Unreal Engine 4, Tableau, Latex, Git, Amazon Web Services

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## Professional Experience:

*Software Developer Intern, Bitmapper Integration Technologies Pvt. Ltd., Pune, India*

Dec 2014 - Jan 2015

*Technologies:* Python (NLTK), JavaScript (D3.js), Twitter Bootstrap

- Developed a system based on naive bayes classifiers using NLTK to classify customer feedback according to specification
  - Developed a dashboard using D3.js to present the aggregated results of the reviews
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## Key Projects:

*Compiler for an Image Manipulation Programming Language*

Oct 2017 - Dec 2017

*Technologies:* Java (JUnit, ASM Bytecode framework)

- Developed a compiler in Java for a given programming language specification in different phases: Scanner, Parser (Top Down LL(1)), Type Checking, and Code generation. Test Driven Development approach was used.
- The target code of the language was JVM bytecode generated using ASM bytecode manipulation framework

*Cloud-Edge-Device Architecture based IoT Platform*

Oct 2016 - Dec 2016

*Technologies:* C, C++, JavaScript (Node.js, Express)

- Built an IoT prototype platform using Xinu OS for Beagle Bone Black, developed device drivers with object oriented interfaces in Xinu along with energy efficient process scheduling for each device
- Designed and implemented a MQTT-SN style publish/subscribe protocol using C++ and Node.js for edge-device communication and RESTful APIs using Node.js for cloud-edge communication

*Gapsmis Sequence Alignment Algorithm Teaching Game*

Oct 2016 - Dec 2016

*Technologies:* JavaScript (Node.js, Express), Twitter Bootstrap

- Designed and implemented the UI and game mechanics: points, scoreboard, levels, game difficulty

*Privacy Policy Elucidator Extension for Firefox Web-browser*

Jun 2015 - Jun 2016

*Technologies:* Python (NLTK, BeautifulSoup), JavaScript (D3.js, jQuery), MySQL, PHP

- Scraped privacy policies from websites and segregated using Naive Bayes Classifiers
- Designed and developed a Firefox add-on to display a dashboard providing visualizations of the privacy policy contents and give an extractive summary of the text

*Thwarting Discovery of Association Rules in Transaction Databases*

Mar 2015 - Jun 2016

*Technologies:* Java (SPMF, Junit)

- Performed literature review, designed and developed 2 algorithms in Java to hide a set of sensitive association rules from transaction databases from unauthorized personnel using steganography
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## Publications:

- **“Take it or Leave it’: Effective Visualization of Privacy Policies.”**  
*Book Chapter:* Cybersecurity and Privacy - Bridging the Gap. River Publishers Series in Communications, Denmark, Mar 2017
  - **“A Survey of Privacy Awareness amongst Indian Users: Perception towards Privacy and Privacy Policies.”**  
*Conference Paper:* 6th International Conference on Communication Systems and Network Technologies, India, Mar 2016
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## Certification & Awards:

*MTA: Software Development Fundamentals*

Microsoft

*HackIllinois Overall Winners*

HackIllinois, UIUC

*Academic Achievement Award*

University of Florida

*Best Outgoing Student Award 2015 – 2016*

Cognizant

*Advanced Leader Bronze, Competent Communicator, Competent Leader*

Toastmasters International

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## Volunteer Experience:

*Vice-President: Public Relations, Toastmasters Club of Pune - Central*

Jan 2014 – Dec 2014

- Organized various PR Campaigns and improved the membership of the club. Coordinated outreach programs, managed social media accounts and designed posters for meeting invitations.