

# Harshit Shrivastava

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## EDUCATION

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**Indiana University**, Bloomington IN **Aug 2016 – May 2018**

Master of Science – Computer Science – GPA: 3.8/4.0

*Coursework:* AI, Machine Learning, Advanced OS, Mobile Computing, Data Mining, Social Media Mining, Algorithms

**Manipal University**, India **Aug 2009 – May 2013**

Bachelor of Engineering – Computer Science and Engineering – GPA: 7.87/10

## PROFESSIONAL EXPERIENCE

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**Software Engineer Intern** **UIITS, Indiana University** (Bloomington, Indiana) **Jun 2017 – Aug 2017**

- Developing microservices to support authentication, transactions, API, logging, billing and monitoring in [IU Print](#) and [IU Leveraged Services](#), to achieve high scalability, high reliability, high resiliency, loose coupling, flexibility and fault isolation. *ASP.NET, C#, Microservices, Message Queues, REST, Central Authentication Service, LDAP*
- Microservices serve over 1,30,000 clients, 10,000 workstations and 200 servers daily, across Indiana University's 8 campuses

**Engineer** **Unisys** (Bangalore, India) **Jul 2013 – Jun 2016**

- Designed and developed a browser-based mobile simulator for hybrid apps, which formed the key feature of 'ClearPath Forward ePortal 6.1' product. *Node.js, C#, JavaScript, Visual Studio SDK, HTML5, CSS, Bootstrap*
- Created a RESTful web service to develop cross platform mobile application packages, and interfaced with a Visual Studio client. *C#, ASP.NET, WebAPI2, Visual Studio SDK*
- Redesigned algorithms in web service leading to 80% improvement in performance (reduced build time of mobile apps in cloud)
- Developed, pitched and prototyped the idea of extending 'Unisys Multi-Device Application Build Service' for small and mid-sized businesses via web interface (increased revenue opportunity)
- Submitted a patent application to the organization (invention disclosure status: reviewed and accepted to be filed as patent)

**Intern** **Schneider Electric** (Bangalore, India) **Jan 2013 - May 2013**

- Designed and developed a WCF client for the Power Monitoring Expert, which reduced the time required for testing to less than 5 minutes (reduced efforts by 80%). *C#, Windows Communication Foundation*

## SELECTED PROJECTS

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- **Weather Now** (June 2017 - July 2017): Application to report weather in a location. *React.js, Foundation, Heroku, HTML5*
- **dibs** (May 2017 - present: under construction): Developing a platform to facilitate buying and selling in local area thorough the process of bidding. *Java, Spring, Hibernate, Material Design*
- **alexa-weather** (June 2017): Alexa skill to run on Amazon Echo for weather reporting. *Python, Flask, Alexa SDK, Zappa, ngrok*
- **Tweet Classifier** (March 2017): Implemented tweet classifier that classifies tweets into various categories and topics. *Python, Flask, JavaScript, HTML5, Twitter API, Naïve Bayes*
- **MovieDB** (December 2016): Web application to suggest similar movies to a search query and preference of a user. *Java (JSP), JavaScript, SPARQL, HTML5, DBpedia, RDF*
- **Spam Classifier** (December 2016): Implemented spam classifier, having an accuracy of over 98%, using decision trees with both continuous and binary frequency distributions. *Python, Machine Learning*

## SKILLS

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- Languages and Scripting: C, C++, Java, C#, Python, JavaScript, Node.js, PHP, HTML5, CSS
- Frameworks, Databases, Message Queues, etc: Flask, .NET, React.js, jQuery, JSP, Spring, Polymer, MySQL, Bootstrap, Foundation, Cordova, MSMQ, Redis, RabbitMQ, WebAPI, Webpack, Microservices, AJAX, Linux, REST APIs

## AWARDS AND RECOGNITIONS

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- Awarded 2nd prize (among 150 students) for implementing POS tagging of natural language with graphical models (Dec 2016)
- Quarterly Innovation Award (Unisys, 2015), Monthly Award (Unisys, 2014)
- Spot Award for 'New Product Ideas' and developing prototype implementations of the same (Unisys, December 2014)