

# HEMANT KUMAR PANDEY

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## EDUCATION

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### Stony Brook University • New York

August 2016 – December 2017

Master in Science, Computer Science

GPA : 3.33/4.0

Relevant Courses: Analysis of Algorithm; Operating Systems; Artificial Intelligence; Visualization, Data Science

### Maharaja Agrasen Institute of Technology • New Delhi, India

August 2012 – June 2016

Bachelor of Technology in Computer Science and Engineering

GPA : 3.85/4.0

Relevant Courses: Object Oriented Programming(Java); Data Structures and Algorithms; Data Warehousing, Computer Networks, Artificial Intelligence, Linux, Database Management Systems

## SKILLS

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### Programming Languages

Java, Angular5, PHP, Python, C#, Javascript, Typescript, R

### Databases

Oracle, MySQL, NoSQL

### Tools and IDE

Eclipse, Git, Expression Web, Vim, Pandas, NLTK, WordPress, Swagger

### Technologies

REST APIs, JQuery, XML, HTML, CSS, Bootstrap

## WORK EXPERIENCE

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### Tesla, Inc.

February 2018 – Present

Software Engineer

- Working as a Software Engineer in the Master Data Management team of Tesla.
- Working on the enterprise retail planning modules used by departments of Tesla using Angular5, JQuery, C# SQL Server using Factory pattern and other web development frameworks.
- Responsible for the development of backend APIs, front-end design, end to end scalable applications and migration of existing code to new technologies.

### Amazon Corporate LLC

May 2017 – August 2017

Software Development Engineer Intern

- Interned in Ecommerce Foundation Technology team of Amazon in Seattle HQ.
- Developed a client application which queries the NoSQL database used by Amazon.com, processes the responses and dumps the entire scope in the AWS S3 bucket of customer.
- Implemented rate limiting, multithreading and scalability to multiple hosts; automated the testing using JUnit and Mockito and delivered a working CLI tool.

### Freelance Web Development

October 2013 – January 2016

Web development

- Developed over 10 websites for different purposes using HTML/CSS, Java, PHP, JSP and MySQL. Few listed as: [cityprints.in](http://cityprints.in), [steamaxfuel.com](http://steamaxfuel.com).
- Portfolio : <http://hemantportfolio.gdk.mx>

## ACADEMIC PROJECTS

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- **Visualizing H1B Visa Data of last 5 years:** Visualized data from past five years of H1B visas and drew interesting reasoning and inferences.  
Language and Frameworks: D3 JavaScript, Python, Pandas.
- **CodeLoad grading portal for undergraduate students at SBU:** Automated grading portal which accepts coding assignments, automatically grades them by running test cases and publishes the scores to students.  
Language and Frameworks: NodeJS, Python, MongoDB.
- **Detection of insults in social commentary using Python and NLT:** Developed a system to classify online posts and comments into insulting or not insulting using NLP classification systems (<https://github.com/hemantpandey17>).  
Language and Frameworks: Python, NLTK, Sklearn Pandas
- **Geo Location Based Recommender System:** Designed and developed a Geo Location Based Recommender System recommending users with similar interests.  
Language and Frameworks : PHP, Python, MySQL and Google Map API

## CERTIFICATIONS

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- APTECH certified Web Developer
- APTECH certified core Java programmer
- EDX and Microsoft certified Introduction to R