

# ASHUTOSH KUMAR

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## SUMMARY

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- 3 years of experience as a **System development associate** with a proven track record of writing and implementing Python parsers and scripts to extract data from the invoices and developing **Web applications**.
- Experienced in developing **MVT** based web applications using **Django** Framework.
- Involved in working with Django Framework, CRUD, Django ORM, Views, Forms, Models and Templates.
- Having Familiarity in working with Django REST Framework.
- Experienced in developing applications using **Python 3.x, Django 1.x/2.x, HTML, CSS, JavaScript**.
- Hands-on experience in using **TDD** approach throughout the development using **Unit test** module and **flake8**.
- Hands-on experience in Python **File handling, Iterators, Generators** and **Decorators**.
- Experience in working under Agile Development Process.
- Experience in building, packaging, and deploying web applications using Docker.
- Experience in working with various IDE such as Atom, Jupyter, Spyder, Sublime.
- Good knowledge of maintaining various version control system such as GIT, Perforce
- Working knowledge of Web Scrapping using **requests** and **BeautifulSoup** module.
- Familiarity with common data science toolkits such as NumPy, Pandas, Scipy, Matplotlib, Scikit learn.
- Working knowledge of building predictive models using python and **Machine learning** on public datasets.
- Working knowledge of NN and CNN using **Tensorflow**.
- Excellent business communication skills.

## TECHNICAL SKILLS

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<b>Languages</b>	Python, Java
<b>Frameworks</b>	Django, Django REST, Bootstrap
<b>Front End</b>	HTML, CSS, JavaScript, jQuery
<b>Database</b>	MySQL, PostgreSQL
<b>Tools</b>	Git, Perforce 1.4
<b>DevOps</b>	EC2, Docker
<b>Testing</b>	TDD, Mock, Travis CI
<b>Analysis library</b>	Pandas, Numpy, SQL
<b>Visualization library</b>	Matplotlib, Seaborn
<b>ML library</b>	Scikit learn, Tensorflow, Orange, NLTK
<b>Machine Learning</b>	Linear regression, Logistic regression, KNN, Decision trees , Naive Bayes, SVM, TF-IDF, Random forest, NN, CNN
<b>Statistics</b>	Descriptive statistics

## WORK EXPERIENCE

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**System Development Associate at Conduent Inc (April 2016 - Present)**

### Project #1

**Title:** Cost Analytics

**Clients:** Windstream and GTT

**Technology Used:** Python 3, XML, MySQL, Spyder

Auto Bot framework is used for development and standardization of parsers, it automates the invoice processing system. The system is used to convert the e-bills to NEXTGEN format by using ETL framework. It generates outputs in the form of CSV and follows NEXTGEN billing standard as developed by Alliance for Telecommunications Industry (ATIS) to enable billing records to be exchanged between small service providers also called vendors.

**Responsibilities:**

- Developed and automatized parsers for extracting invoice data to generate outputs in form of CSV file which turns as the input for the auditing of invoice in a stringent timelines.
- Determined ad hoc requirements from customers, collaborate, solicit and interpret requirements.
- Upheld quality controls and data validity.
- General validation related to the date, number format etc. was enabled (NGN Formats).
- Enabled Monthly recurring charges and Current charges variance, Enabled Circuit Validation based on the Customer parameter instead of Parser & Properties file level.
- Performed unit testing to make this process robust and valid according to billing standard.
- Upheld program quality and delivery standards in developing applications.

**Project #2****Title:** Capture**Client:** Windstream**Technology Used:** Python 3.6, Django 2, PostgreSQL, HTML, CSS, Bootstrap, JavaScript, jQuery, Git, Atom editor

The Capture portal is a GUI application that provides access to information about the invoices within CAPTURE. The portal is a tracking management tool that enables the user to track, record, and retrieve data that Razorsight receives on behalf of various clients. All view shows all the invoices that are being staged, processed and completed through Capture.

**Responsibilities:**

- Involved in building database model, ORM, forms and views utilizing Python, in order to build an interactive web-based solution.
- Developed Views and Templates with Django view, controller and template language to create a user-friendly website interface.
- Added pagination to restrict pulling down too many records at once.
- Used TDD approach in development and performed testing using Django's Test Module.
- Migrated project from Django 1.10 to Django 2.1
- Involved in Agile Methodologies and SCRUM Process.
- Worked through the entire life cycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.

**EDUCATION & CERTIFICATION**

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Bachelor of Computer Application Chaudhary Charan Singh University, Meerut	2012 – 2015
Stanford online certification in Machine learning	2017
Udemy certified in Python for data science and Machine learning	2017

**PERSONAL**

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Date of Birth	:	12/11/1992
Citizenship Natural	:	India
Languages Interests	:	English, Hindi

**DECLARATION**

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I hereby declare that the information furnished above is true to the best of my knowledge.

Thanking You!

- Ashutosh Kumar

Place: Bangalore