

Nagendra Varma Sangaraju

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PORTFOLIO:

A portal to manage transaction details: <https://accounting.pythonanywhere.com>

An e-commerce website related ergonomic products: <https://commerceitc.pythonanywhere.com>

Personal Website: <https://snvarma.me>

PROFILE SUMMARY:

- 3 years' experience in analysis design, development and implementation of internet web applications, database and client- server architecture using Python/ Django, JavaScript and Java technologies spanning the entire software development life cycle.
- Strong background in a disciplined software development life cycle (SDLC) process and excellent analytical, programming and problem-solving skills.
- Experience working within an Agile/ Scrum workflow and Git.
- Hands-on experience in writing, optimizing & debugging stored procedures, functions, views, triggers and troubleshooting database issues.

TECHNICAL SKILLS:

Databases:	MySQL, MongoDB, SQL Server
Programming Languages:	Python, Django, JS, SQL, Java
Front End Technologies:	React, HTML5, CSS
Platforms:	Windows XP/Vista/7/8/10
Technologies:	Web services (REST)
Tools & IDEs:	Visual Studio Code, Slack, PyCharm, Visual Studio, JIRA, Service Now, Eclipse, MS Office, Adobe Photoshop

EMPLOYMENT DETAILS:

Wipro Limited

Dec 2016- Aug 2019

**Client: State Street
Python/ Django Developer
Bangalore, India**

Involved in developing entire frontend and backend modules using Python on Django Web Framework.

- Worked with tables from Oracle/MySQL/ MySQL Server database with Python.
- Performed cleansing operation on data generated from web logs with automated scripts in

Python.

- Used Python to build a General-Purpose Test Framework.
- Parsed XML documents using Python scripts and load into the database.
- Created Django forms for database models.
- Daily SQL Server database maintenance.
- Worked on back-end and front-end feature.
- Considerably used JavaScript for client side validation.
- Designed, created and updated MYSQL databases.
- Worked with the team of architects and back-end Developers to gather requirements and enhance the functionality and add new features.

Client: Walmart
Java Developer
Bangalore, India

- Utilized Java, Eclipse/ J2EE, tested programming code & Applications, collaborated with team and management.
- Responsible for investigating the issues, defects, determining problem root cause, formulating corrective action recommendations & implementation.
- Created web services using SOAP and producing WSDL to the Client side.
- Created detailed design documents using UML (Used Case, Class, Sequence, and Component diagrams).
- Involved in the full life cycle of software design process of other projects, including prototyping, proof of concepts, design, interface implementation, testing and maintenance.

PROJECTS / ASSISTANTSHIP:

Teaching Assistant
University of Ottawa
Ottawa, ON

Sep 2020- Dec 2020

- Assists primary teacher in managing classes.
- Coordinates with teacher on the day's agenda.
- Checks attendance of students.
- Prepares lesson plans and materials.
- Conducts lessons under the guidance of the primary teacher.
- Conducts tutorial lessons to individual or small groups of students.

Mini Search Engine

Jan 2016 – Apr 2016

- The application is based on the concept of data mining and word search program.
- The required data is stored in a local database which is then crawled to get the document corpus.
- Inverted index data structure is implemented to store the keywords mapping them to the documents they are found in.
- Page ranking algorithm is used to rank the documents for displaying the search results in the order of the highest probability.
- Concepts used: Page ranking Algorithm, HTML, XML, Inverted Index Data Structure.

Sentiment Analysis (Opinion Mining):**Sep 2015 – Dec 2015**

- Sentiment Analysis is a functional classifier for an accurate and automatic sentiment classification of an unknown view stream.
- The system computationally identifies and categorizes opinions expressed in a piece of text.
- It determines whether the writer's attitude towards the topic is positive, negative or neutral.
- This project mainly uses classification techniques and algorithms such as Naive bayes's, Random Forest classifier (Rf), SVM, Decision tree learning and Max Entropy (MAXENT), Text classifier.
- Technologies used: Twitter API, Python.

EDUCATION:

Master of Systems Science
University of Ottawa, Ottawa, ON

2019- 2020

B. Tech (IT)
Sree Vidyanikethan Engineering College, India

2012- 2016**CERTIFICATIONS:**

- AWS Certified Solutions Architect - Associate

CO-CURRICULAR ACTIVITIES:

- Organized various coding and LAN Gaming events in the College (Information Technology Department).
- Attended for training on "Mobile application development" conducted by APSSDC (Andhra Pradesh State Skill Development Corporation).
- Attended online courses on Machine Learning in Udemy and cleared the exam.