

Nagendra Varma Sangaraju

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GitHub: <https://github.com/NagendraVarmaSangaraju>

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 React 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
Front End Technologies:	React, HTML5, CSS
Platforms:	Windows XP/Vista/7/8/10
Technologies:	Web services (REST)
Tools & IDEs:	Visual Studio Code, Postman, Slack, PyCharm, Visual Studio, JIRA, Service
	Now, Eclipse, MS Office, Adobe Photoshop

EMPLOYMENT DETAILS:

Wipro Limited

Dec 2016- Aug 2019

**Project 1: State Street
Software 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.
- Built APIs and tested them.

- 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.

Project 2: Walmart
Software Developer
Bangalore, India

- Produced user-friendly software using React, MVC according to the agreed plans and timelines.
- Collaborated with experienced team members to conduct root cause analysis of issues, review new and existing code and/or perform unit testing.
- Analyzed client requirements and designed development templates.
- Involved directly in unit testing and code review.
- Participated in scrum calls and client meetings to make good technical decisions.
- 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

- Assisted primary teacher in managing classes.
- Coordinated with teacher on the day's agenda.
- Prepared lesson plans and materials.
- Conducted lessons under the guidance of the primary teacher.
- Conducted 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.

ACHIEVEMENTS:

- Awardee of “The Spot” for being able to successfully deliver the application with full functionality.
- Awardee of “Transformer” for being quick in coding.
- Awarded to be the best team of the year, for developing and maintaining applications under AMG and for the successful live releases.
- Application’s functionality was improved by 13% by making changes in the service requests and henceforth.

EDUCATION:

Master of Systems Science 2019- 2020
University of Ottawa, Ottawa, ON

B. Tech (IT) 2012- 2016
Sree Vidyanikethan Engineering College, India

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.