G Karthik Raja

Career Objective

Dedicated and motivated engineering graduate seeking an entry level python developer position in a start-up company where I can use my technical and problem-solving skills to develop good quality software.

Projects

- Django To-Do web application with user authentication (link)
- Polls web application (link)

  A django app made with the help of official django app tutorial

- Student assessment management system with unit tests written in python unittest framework (link)

  It is a command line python project for managing student and their assessment details.

- Agent selector program for customer support service (link)

  It is a command line python program which can be used as a customer support tool to assign the customer issues to relevant and available agents.

- Tic – Tac – Toe, hangman and number guessing games
- Program for finding the shortest path between two cities
- Greedy and brute-force algorithms for maximizing the value of items to be stolen by a thief
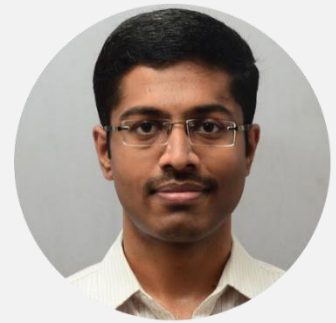
Technical Skills

Python

- Basic data structure and algorithms
- Write reusable, readable and extendable code
- Procedural and object-oriented programming (OOPs) styles to write modular code
- Complexity analysis of algorithms to write efficient code
- Black-box and glass-box unit testing; and defensive programming techniques to minimize bugs in the program
- 0/ 1 knapsack algorithms, dynamic programming and graph concepts for solving optimization problems

SQL (PostgreSQL) and NoSQL (MongoDB) Databases

- Create, read, update and delete (CRUD) operations
- Using aggregation functions in SQL for advanced queries

Django

Contact

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Social

GitHub
github.com/g-kartik

LinkedIn
linkedin.com/in/g-kartik

Facebook
facebook.com/gkartikraja

Soft Skills

Articulative

Creative

Curious

Diligent

Innovative

Achievements

Discipline star in electrical engineering by NPTEL (certificate link)

- Understanding of model, view and template (MVT) structure
- HTML and CSS fundamentals, use of template tags and rendering them in Django
- Testing of models and views using the Django test framework
- Knowledge of object relational mapper (ORM) and authentication framework

Git Version Control

- Creating and managing repositories
- Log, commit, tag, branch, merge and undo operations

Accomplishments

- edX course on python by MIT ([certificate link](#))
- MongoDB basics course by MongoDB university
- NPTEL course on C programming by IIT Kharagpur

Winner of college-level project competition

Qualified GATE 2017 exam in electrical engineering

Education

B.E. / Electrical Eng.
SVITS College, Indore
2013 – 2017
Secured 6.8 CGPA

Higher Secondary/ Science
Madhya Pradesh Board
Wardman Convent, Nagda
Secured 84% in year 2013

Secondary
Madhya Pradesh Board
Fatima Convent, Nagda
Secured 84% in year 2010

Interest and Hobbies

Practicing yoga

Listening to Carnatic and Hindustani music