

# KARTHIK SRINIVAS BHALLAMUDI

## SOFTWARE ENGINEER

A solution oriented developer with professional experience in Web Development and Problem Solving. Passionate about building web apps and aims at contributing to technological improvement & innovation.

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## EDUCATION

### B.Tech in CSE with specialization in Information Security

Vellore Institute of Technology, Vellore

09/2022 - Present

CGPA: 9.43

### High School

Vikas The Concept School, Hyderabad

06/2016 - 06/2020

Grades

- Class X CBSE - 93%

- Class XII CBSE - 94%

## PROFESSIONAL EXPERIENCE

### Python Django Intern Across The Globe (ATG)

06/2022 - Present

Achievements/Tasks

- Responsible for designing, developing and managing RESTful APIs that serve data to the front-end of web applications.
- Designing and managing databases that store data and other important information for the application.
- Implementing business logic, integrating third-party services, and handling server-side processing of data and requests.

## EXTRACURRICULAR ACTIVITIES

Programme Representative, VIT Vellore

(08/2021 - Present)

*Selected as the Programme Representative for two consecutive academic years at VIT Vellore.*

Mentee, Deakin University, Geelong, Australia

(11/2022)

*Represented my university in Deakin University's Blue Marble Study Program and worked on a project which was based on improving transport linkages in and around Geelong, Australia.*

Technical Head, IETE-ISF Student Chapter

(12/2022 - Present)

*Managed technical events and workshops, built projects for the chapter, and guided and mentored juniors in their technical domain.*

Campus Ambassador, HackerEarth (12/2022 - Present)

*Creating awareness about HackerEarth and its various competitions, and hackathons among peers in the college.*

## SKILLS

Django Rest Framework

Web Development

Python

Java

C

C++

HTML

CSS

Javascript

Git & Github

Computer Networking

## PROJECTS

### Recruitment Portal Backend (Quiz Application)

- **Tech Stack Used:** Django Rest Framework, SQLite Database.
- It includes a quiz application built on the Django Rest Framework that enables users to test their knowledge in the area of their interest.
- The system automatically verifies the responses and assigns the final quiz score.
- It has security features like tab switch, JWT Authentication on every API request, auto submission on test timeout etc.
- The portal was used by more than 300 students to give the test for recruitment in the chapter.
- [IETE VIT Recruitment \(jete-vit-recruitment-portal.netlify.app\)](https://jete-vit-recruitment-portal.netlify.app)

### Full Stack E-Commerce Website

- **Tech Stack Used:** Django, HTML, CSS, Javascript, SQLite.
- This project includes a web application that facilitates online shopping for users.
- Users of the application can log in to their accounts, place orders, view their orders, check if products are in stock, and add reviews for any product that is available.

### Three Level Authentication System

- **Tech Stack Used:** HTML, CSS, JavaScript, Django, and PostgreSQL database.
- Built a three-level authentication system that could be integrated with any website for authentication purposes.
- Three levels include password verification, image pattern recognition, and OTP verification.
- Performed Penetration Testing to check the vulnerabilities in the application and rectified them.

## ACHIEVEMENTS

### Merit Scholarship (2021 - 2022)

*Was awarded "Merit Scholarship" by VIT Vellore for outstanding performance in academics.*

### Certifications in Music Performance Piano

*Received Certifications in Graded Examination in Music Performance Piano from Trinity College London.*