

# KARTHIK SRINIVAS BHALLAMUDI

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## EDUCATION

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**Vellore Institute of Technology, Vellore**

Sep 2020 - Present

*B.Tech in Computer Science and Engineering with specialization in Information Security - 9.41/10*

- **Relevant Courses:** Operating Systems, Data Structures and Algorithms, Network and Communication, Database Management System, Cybersecurity, Web Programming, Artificial Intelligence, Web Security.

**Vikas The Concept School**

June 2016-June 2020

*Class X (Central Board of Secondary Education) - 93%*

*Class XII (Central Board of Secondary Education) - 94%*

## SKILLS SUMMARY

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**Languages:** Java, Python, C, C++, SQL, HTML, CSS, Javascript, PHP.

**Frameworks:** Django Rest Framework, React.js, Node.js, Express.js

**Tools:** GitHub, VSCode, Postman, Jupyter Notebook, Swagger, PostgreSQL, MongoDB

**Soft Skills:** Leadership, Event Management, Writing, Time Management, Team Work, Collaboration

## EXPERIENCE

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**Python Django Intern**

Jun 2022 - Jun 2023

*Across The Globe (ATG)*

- Designed and managed RESTful APIs for efficient data flow between web application front-end and back-end.
- Led database design and management, ensuring secure storage and retrieval of critical application data while implementing business logic and integrating third-party services.

## PROJECTS

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**Student Expense Tracker** — *Mongo DB, Express.js, React.js, Node.js (MERN)* ([Visit Website](#))

- Created a full stack web application for efficient expense management, primarily targeting students that offers seamless user management, and expense tracking functionalities, payment request functionalities, empowering users with valuable insights for effective financial management.

**IETE Recruitment Portal** — *Django Rest Framework and SQLite Database* ([Visit Website](#))

- Built the backend for a responsive quiz application that enables users to test their knowledge in various domains.
- Implemented robust security measures ensuring a secure testing environment and automated response verification and score assignment for seamless evaluation which was utilized by over 300 students for recruitment.

**Three Level Authentication System** — *HTML, CSS, JavaScript, Django, and PostgreSQL Database*

- Developed a three-level authentication system (password verification, image pattern recognition, and OTP verification) and conducted Penetration Testing to identify and rectify vulnerabilities in the application.

## LEADERSHIP

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**Technical Head**

Apr 2022 - Present

*Institution of Electronics and Telecommunication Engineers (IETE-ISF), VIT, Vellore*

- Managed technical events, led project development, and mentored junior members to foster innovation and growth in their technical domains.

## Programme Representative

Sep 2021 - Present

*Vellore Institute of Technology, Vellore*

- Selected as the Programme Representative of my branch for two consecutive years, responsible for articulating students' perspectives and opinions on the program.
- Collected valuable feedback from fellow students and effectively communicated it to program staff, facilitating positive changes aligned with students' needs.

## Campus Ambassador

Dec 2022 - Present

*HackerEarth*

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

## Mentee

Nov 2022

*Deakin University, Geelong, Australia*

- 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.

## CERTIFICATIONS

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- **Wipro TalentNext "FutureSkills" Program:** Successfully completed the "Artificial Intelligence Foundation" Course as part of the Wipro TalentNext "FutureSkills" Program, acquiring valuable skills in Artificial Intelligence and Machine Learning.
- **Goldman Sachs Learning - ECHP 2022-23:** Selected for the ECHP Program by Goldman Sachs where they provided us with "Mathematics for Machine Learning" and "Accelerated Computer Science Fundamentals" courses on Coursera, equipping me with comprehensive knowledge in the respective subjects.

## ACHIEVEMENTS

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- Received **Merit Scholarship** for outstanding Performance in academics for two consecutive years at VIT Vellore.
- Received **Certifications in Graded Examination in Music Performance Piano** from Trinity College London.