

# Pavani Karnati

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## ABOUT ME

Motivated Software Engineer with experience in Java, Python, Spring Boot, REST APIs, and SQL. Quick learner and team player, eager to contribute to impactful projects and grow in a dynamic tech environment.

## EDUCATION

- University of New Haven** New Haven, USA
  - MASTERS OF SCIENCE - Computer Science; CGPA: 3.83/4.0* *Aug 2023 - May 2025*
  - Courses: Database Systems, Data Structures, Java Programming, Computer Networks, Cloud computing, Artificial Intelligence, Python Programming*
- Vishnu Institute of Technology** Bhimavaram, India
  - BACHELOR OF TECHNOLOGY - Computer Science and Engineering; GPA: 9.45/10* *Aug 2019 - May 2023*
  - Courses: Operating Systems, Data Structures, Machine Learning, Databases*

## CORE SKILLS

- Languages:** Java, Python, C, SQL, PHP
- Tools:** GIT, MySQL, GitHub, AWS, Netlify, Heroku, REST APIs
- Technologies:** HTML, CSS, Java Script, React Js, Vue.js, Node Js, Angular Js, JSP, Servlets

## PROJECTS

- Student Data Hub:** Developed a student data management platform that provides real-time access to academic records, attendance, and performance metrics. The application features a responsive Vue.js front-end integrated with a Node.js backend, efficiently handling over 1,500 API requests daily. Leveraged PostgreSQL to manage and query over 10,000 student records, ensuring secure and optimized data retrieval. The full-stack solution was version-controlled with Git and seamlessly deployed using Netlify and Render for smooth user experience and continuous delivery.  
Tech Tools: Vue JS, React Js, HTML, CSS, Javascript
- Missing Child Identification (Deep learning and Multiclass SVM):** Created a website to trace missing children using deeplearning and multiclass SVM. The suspicious children photo will be automatically compared with the registered photos of the missing child from the repository. In this CNN is used for Feature Extraction and SVM for Feature Recognition.  
Tech Tools: Deep learning Technologies(CNN, SVM)
- Volume Control using Hand Gestures(Python):** Created to control volume using Hand Gestures in the computer. The setup consists of a single camera to capture the gesture and we use OpenCV module to recognize the gestures.  
Tech Tools: Python, Open CV

## EXPERIENCE

- Java Full Stack Developer:** Cognizant Technology Solutions, Hyderabad, India July 2022 - July 2023
  - \* Developed and maintained full-stack Java applications using Spring Boot, JSP, and Angular.
  - \* Created a Java-based automation tool to extract and distribute data from SQL Server to teams, enhancing operational efficiency
  - \* Wrote scalable backend code with Spring and JDBC for data retrieval and manipulation.
  - \* Supported deployment processes and defect resolution in coordination with QA teams.
  - \* Utilized tools like WebLogic, Maven, Git, and ServiceNow in agile project environments.

## CERTIFICATIONS

- Hackerrank:** Python Programming([Click here to see](#))
- Coursera:** Data Structures and Algorithms ([Click here to see](#))
- Udemy:** Webdevelopment ([Click here to see](#))
- Kaggle:** Course on Pandas ([Click here to see](#))

## ACHEIVEMENTS

- TechGig Code Gladiators Semi finalist.
- Qualified Code Vita by TCS, Hackwithinfy(Infosys).
- Gold medalist for academic excellence by securing the highest CGPA.
- Recieved Merit-based Scholarship in 2023 from University of New Haven.

## CODING PLATFORMS

Hackerrank: <https://hackerrank.com/profile/19pa1a0569>

Leetcode: <https://leetcode.com/19pa1a0569>