

# Karella Pavani Vinay Kumar

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## CAREER OBJECTIVE

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Motivated Computer Science student with practical experience building scalable web applications and backend APIs using frameworks like Django and Spring Boot. Proficient in Java, with a solid understanding of database design and secure authentication practices. Passionate about solving real-world problems through code and eager to contribute to impactful projects as part of a collaborative, fast-paced team environment.

## EDUCATION

Dec 2022 – Present	Sri Vasavi Engineering College Bachelor of Technology in Computer Science CGPA: 8.91
Jun 2020 - Mar 2022	Pragati Junior College Subjects: Maths, Physics, Chemistry Percentage: 91%
Mar 2019 - Mar 2020	SFS High School Percentage: 86%

## SKILLS

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- Programming Languages: C, C++, Python, Java
- Technologies: HTML5, CSS, SQL
- Frame work: Django, Spring Boot
- Tools: Git, GitHub, VS Code, Postman, IntelliJ
- Other skills: Problem Solving Skills, Programming Skills

## PROJECTS

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### 1. Resolve Radar: Efficient Solution for Grievances

- Developed a full-stack web grievance redressal portal using Django.
- Enabled users to file, track, and manage complaints via personalized dashboards.
- Implemented user-specific analytics: total complaints, resolution rate, and status breakdown.
- Supported uploading of documents/images and PDF report generation using ReportLab.
- Ensured secure sessions with authentication and role-based access control.
- Technologies: Python, Django, HTML, CSS, JavaScript, SQLite, ReportLab.

### 2. Learning Management System (LMS)

- Developed a Django-based e-learning platform with secure login and personalized dashboards.
- Tracked video progress and engagement; customized admin for course and user management.
- Supported bulk data upload and received college appreciation.
- **Technologies:** Python, Django, PostgreSQL, JavaScript, Bootstrap, HLS.

### 3. Smart QR-Based Attendance System (Ongoing)

- Building an automated attendance system with anti-proxy measures.
- Developed REST APIs in Spring Boot with AES encryption for secure QR code generation.
- Incorporated IP/device binding and timetable-aware validations to prevent fraud.
- Designed for multi-classroom use with conflict-free scheduling logic.
- Technologies: Java, Spring Boot, PostgreSQL, AES encryption, REST APIs.

## INTERNSHIPS/EXPERIENCE

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### Cloud Virtual Internship

EduSkills, supported by AWS Academy | Remote

Sep 2023 – Nov 2023

- Successfully completed a 10-week virtual internship focused on Cloud Computing fundamentals and AWS services.
- Gained hands-on experience with cloud infrastructure, deployment models, and cloud-based solutions.
- Developed foundational skills in using AWS tools and cloud architecture best practices.

## ACHIEVEMENTS

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- Solved 500+ problems in <https://www.geeksforgeeks.org/> coding website.  
Reference: [vinaykarella | GeeksForGeeks](#)
- Solved 200+ problems on Leetcode coding website.  
Reference: [vinaykarella | LeetCode](#)
- Runner up in AWS 24 hour Hackathon conducted in Sri Vasavi Engineering College (2023)

## CERTIFICATIONS

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- Certified in Azure AI Fundamentals (AI-900), Microsoft Global Certification
- Certified in Oracle Certified foundations Associate (OCI), Oracle Global Certification
- Certified in Oracle Fusion Cloud Applications HCM Foundations Associate, Oracle Global Certification
- NPTEL Certifications: Introduction to Machine Learning, Data Science for Engineers.