**KAMINENI AJAY KUMAR**

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# CAREER OBJECTIVE

Seeking an opportunity to apply my skills in Object-Oriented Programming (OOP), Core Java, Spring Boot, and database management. Passionate about building scalable applications and optimizing backend systems. Eager to contribute to innovative projects and grow as a software professional.

# EDUCATION

**R.V.R & J.C College of Engineering, Guntur**  2020 to 2024

Pursuing BTech in Information Technology

CGPA:7.94

**VISION JUNIOR COLLEGE, GUNTUR** 2020

Board of Intermediate Education, A.P

CGPA:9.2

**SRI NAGARJUNA HIGH SCHOOL, ADDANKI** 2018

SSC

CGPA:10

# SKILLS

**Programming Languages:** : Core Java, Java 8, PHP

**Web Design:** Html, CSS

**Databases:** MySQL, MongoDB

# CERTIFICATIONS

* Database Fundamentals from Microsoft Technology Associate
* Basics of Python from Infosys Springboard
* Machine Learning Training from Internshala

# PROJECTS

**Project Title: Critical Segment-Based Online Signature Verification System for Secure Mobile Transactions**

* Designed and developed an online signature verification system to secure mobile transactions on multi-touch devices.
* Utilized geometric, behavioural, and physiological characteristics of user signatures for accurate verification.
* Implemented signature normalization and interpolation techniques to handle geometric distortions caused by varying writing sizes, orientations, and locations on touch screens.
* Developed a quality score mechanism to identify problematic signature sets and construct a robust user signature profile.
* Incorporated algorithms like Dynamic Time Warping (DTW) and Longest Common Subsequence (LCSS) for real-time signature matching and validation.
* Evaluated the system on multiple users over a certain time period, demonstrating high accuracy in signature verification.
* Ensured the system is robust against signature forgery and provided better performance compared to existing methods.
* Achieved real-time processing with low computational overhead, enhancing the overall security of mobile transactions.

# LANGUAGES

* English
* Telugu

# HOBBIES

* Watching movies
* Programming
* Playing cricket