

MANIKANTA KASIREDDY

kasireddymanikanta44@gmail.com | 8341347612 | 1-68(1) Kothapeta, Kaligotla, Undi Mandal

[GitHub](#) | [Linkedin](#)

EDUCATION

KONERU LAKSHMAIAH UNIVERSITY

Computer Science and Engineering M.Tech

CGPA: 9.07

Vijayawada, India

Sep 2023 - May 2025

SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE

Mechanical Engineering B.Tech

CGPA: 6.93

Bhimavaram, India

Aug 2019 - May 2023

ADITYA JUNIOR COLLEGE

M.P.C Intermediate

CGPA: 9.48

Bhimavaram, India

June 2017 - May 2019

S.C.B.R.Z.P HIGH SCHOOL

SSC

CGPA: 8.7

Ganapavaram, India

June 2016 - March 2017

SKILLS

Programming Languages: Java, Python
Libraries/Frameworks: HTML5, CSS3, JavaScript, NodeJS
Tools / Platforms: VS Code, MYSQL Workbench, Eclipse IDE, Git
Databases: MYSQL, MongoDB

PROJECTS / OPEN-SOURCE

PREDICTION OF SURFACE ROUGHNESS USING MACHINE LEARNING AND DEEP LEARNING | [Link](#)

Machine Learning, Deep Learning, Python

Surface roughness has received serious attention for many years. It has been an important design feature and quality measure in many situations such as parts subject to fatigue loads, precision fits, fastener holes and esthetic requirements. Furthermore, surface roughness in addition to tolerances imposes one of the most critical constraints for cutting parameter selection in manufacturing process planning. Here we attempt to develop empirical models with some data mining techniques, such as Adaptive neuro-fuzzy inference system (ANFIS) and Adaptive neural networks (ANN), Machine Learning to help the selection of cutting parameters and the improvement of surface roughness.

Role:-Developer

STEALTHY DENIAL OF SERVICE STRATEGY IN CLOUD COMPUTING

Machine Learning, Python

According to this paradigm, the effects of Denial of Service (DoS) attacks involve not only the quality of the delivered service, but also the service maintenance costs in terms of resource consumption. Specifically, the longer the detection delay is, the higher the costs to be incurred. Therefore, a particular attention has to be paid for stealthy DoS attacks. They aim at minimizing their visibility, and at the same time, they can be as harmful as the brute-force attacks. They are sophisticated attacks tailored to leverage the worst-case performance of the target system through specific periodic, pulsing, and low-rate traffic patterns. In this paper, we stealthy attack patterns, which exhibit a slowly increasing intensity trend designed to inflict the maximum financial cost to the cloud customer, while respecting the job size and the service arrival rate imposed by the detection mechanisms. We describe both how to apply the proposed strategy, and its effects on the target system deployed in the cloud.

DEVELOPING E-COMMERCE WEBSITE | [Link](#)

HTML5, CSS3, JavaScript

For my project, I developed a fully functional eCommerce website using HTML5, CSS3, and JavaScript, focusing on creating a responsive and user-friendly interface. I was responsible for designing the structure and layout using HTML5, styling the components with CSS3, and enhancing interactivity through JavaScript. Key features I implemented included dynamic product listings, a shopping cart system, and a secure checkout process. Additionally, I optimized the site for mobile devices, ensuring

compatibility across different screen sizes. My role involved collaborating with backend developers for API integration and conducting thorough testing to guarantee cross-browser compatibility and optimal performance. This project helped me deepen my understanding of frontend technologies and their role in building modern web applications.

CERTIFICATIONS

- The Joy of Computing Using Python-NPTEL Course during Jan-Apr,2022 - **NPTEL**
- AWS Academy Graduate-AWS Academy Machine Learning Foundations - **AWS**
- Robotic Process Automation (RPA) Virtual Internship - **EduSkills**
- AWS Academy Graduate - AWS Academy Cloud Foundations - **AWS**