

# JOSYULA VENKATA RAMACHANDRA VINAYAK

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## Objective

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To obtain a position as a software developer where I can utilize my programming skills and innovative thinking to solve real-world problems and contribute to the organization's technological advancement.

## Skills

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- **Programming Languages:**C,C++,Java,(Basic)Python
- **Web Development Technologies:**HTML,CSS
- **Database Management:**MySQL
- **Cloud Computing:**AWS Cloud Practitioner
- **Computer Science Fundamentals:**Operating Systems, Linux

## Education

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- AVN Institute of Engineering and Technology—CSE—(CGPA-6.85)  
Dec 2021–Present
- Narayana Junior College— 66%  
Jun 2019–May 2021
- Narayana High School(GPA–7.5)  
March 2019

## Projects

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### SAR Image Colorization Using Deep Learning

- Developed a model to enhance the interpretability of Synthetic Aperture Radar (SAR) images by colorizing grayscale images using a Pix2Pix Conditional GAN (cGAN) architecture.
- The project involved pre-processing paired SAR and optical images, training the model for image-to-image translation, and evaluating the performance of colorized outputs.
- This work improves the usability of SAR data in remote sensing applications, including geological studies and environmental monitoring.

## Certifications

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- **Web Development Certification:** : Developed an innovative web application that increased user engagement metrics by 25% during a hackathon hosted by Brain O Vision Solutions Pvt Ltd.
- **Cloud Computing:** AWS Cloud Practitioner by ICT academy

## Strengths

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- problem-solving
- Team player
- Good communication skills

