

# GOWRI SHANKAR PALAGANI

B.Tech  
Electronics and Communication Engineering  
National Institute of Technology, Raipur

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## EDUCATION

Degree	Institute	CGPA/Percentage	Year
B.Tech.	National Institute of Technology, Raipur	8.81 (Current)	2021-2025
Intermediate	Sasi Juniour College, Velivennu	98.1%	2019-2021
Schooling	Vikas High School, Chatrai	10 CGPA	2019

## EXPERIENCE

- Texas Instruments** May - June (2024) and Jan- Present (2025)  
*Software Development Intern, ( 2 months + 6 months)* Bangalore, India
  - **Asset Management System (SAP UI5, JavaScript)**: Developed a bulk upload module to efficiently manage company asset records; provided support for legacy systems and enhancements.
  - **Document Extraction (ML + Computer Vision)**: Created a document parsing engine using **PaddleOCR**, **Label Studio**, and table-level data extraction logic.
  - **Multi-QR Code Detection**: Built a YOLOv5-based model capable of detecting and decoding multiple QR codes from images using a self-curated dataset.
  - Performed issue tracking and resolution via **Jira**, managed codebase using **Bitbucket**, and supported CI/CD pipelines with **Jenkins**.
  - Converted web apps to mobile-ready APKs using **Cordova**.
  - **SAP Analytics Cloud (SAC) Migration**: Built a PoC for transitioning from BPC to SAC, enabling modern analytics capabilities; worked with OData services for backend integration.

## PROJECTS

- KIN Synthesis – Image Generation** April 2024  
*Synthesizing child face images from parent faces and vice versa using deep learning.* Colab Notebook
  - **Skills**: Python, PyTorch, OpenCV, Pretrained Models, FaceNet, Dlib, MTCNN, Image Blending, Deep Learning, Google Colab
- Document Information Extraction** June 2024  
*Developed machine learning pipeline to extract header fields and tables from invoices/documents.*
  - **Skills**: Python, PyTorch, PaddleOCR, LayoutLMv3, TATR, Label Studio, OpenCV, Numpy, Pandas
- Multi QR Detection and Decoding** May 2024  
*Created a system to detect and decode multiple QR codes simultaneously from single image inputs.*
  - **Skills**: YOLOv5, PyTorch, OpenCV, Pyzbar, pylibdmtx, Label Studio, Python
- Full Stack E-Commerce Website – Unstop Challenge** March 2023  
*Built an end-to-end e-commerce web app with user authentication, product management, and cart functionality.* Link
  - **Skills**: React.js, Node.js, Express.js, MongoDB, REST API, JWT Auth, CSS, JavaScript, HTML

## SKILLS

**Languages/Programming**: Python, C, C++, JavaScript, HTML, CSS, SQL, SAP-ABAP  
**Frameworks/Libraries**: React.js, Node.js, Express.js, TensorFlow, OpenCV, Pandas, NumPy  
**Tools & Platforms**: Git, GitHub, Bit-bucket, MongoDB, PostgreSQL, REST APIs, Label Studio, Postman  
**Other Skills**: Machine Learning & Deep Learning , Image Processing, EDA, Data Visualization, Full Stack Development

## CERTIFICATIONS

- **SDE- Texas Instruments**: Internship completion certificate [Certificate](#)
- **Full stack web development- 1stop**: HTML, CSS, JavaScript, ReactJs, Postgresql, PHP [Certificate](#)

## POSITIONS OF RESPONSIBILITY

- **Core-Coordinator**, Web development ,Shaurya Club, National Institute of Technology, Raipur 2022 - present
  - Designed, developed and deployed a website for Shaurya Club
- **Coordinator and Event management Member**, Entrepreneurship cell, National Institute of Technology, Raipur 2022 - 2023
  - Conducted events like Startup camp, Business case study, B-quizzes etc

## ACHIEVEMENTS

- ,Participated in an offline contest called Code Rush and bagged 26th rank among 400 participants.
- ,Solved 500+ DSA problems in different coding platforms like Leetcode, GFG, codechef etc
- ,Runner Up in Smart India Hackthon - 2025