

Rishit Reddy Pale

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PROFESSIONAL EXPERIENCE

- NoGapps** Remote, Denmark
Full Stack Intern July 2024 - December 2024
 - Enhanced an e-commerce platform by implementing new features **using the React-based GatsbyJS and MedusaJS stack**.
 - Achieved a **25% reduction in user-reported issues** through debugging and feature enhancement, thereby boosting overall user engagement.
 - Built a **ReactJS-based internal tool** to streamline order management.
 - Developed **custom APIs with FastAPI** to manage and process incoming orders efficiently.

Skills: ReactJS, GatsbyJS, MedusaJS, FastAPI, AWS, DigitalOcean, PostgreSQL
- MocX** Tirupati, India
Co-Founder August 2021 - June 2022
 - Co-founded MocX, a **mock interview platform serving over 200 users**.
 - Led the design and development by **using ReactJS and Django to create a user-friendly interface**.
 - Integrated **Razorpay** for smooth and secure payment processing.

Skills: ReactJS, Django, PostgreSQL, Razorpay, GCP App Engine, UI/UX Design

LEADERSHIP EXPERIENCE

- Chief Strategy Officer (CSO)** Tirupati, Andhra Pradesh, India
IGNITE SVUCE February 2023 - August 2024
 - Headed the **Prakruthu Suraksha Program in collaboration with PlanetWise** to reduce the college's carbon footprint.
 - Boosted student involvement by **co-founding the Coding Club and revamping club activities**.

Skills: Leadership, Program Management, Team Collaboration

RESEARCH & PROJECTS

- BACHELOR THESIS:** Evaluating the Impact of Data Augmentation on MobileNet Performance in Handwritten Signature Identification — [GitHub](#) / [Paper](#):
 - Conducted comprehensive research on various **data augmentation techniques** for MobileNetV3.
 - Achieved enhanced model **accuracy and generalization** in handwritten signature identification.
 - Leveraged **Python, TensorFlow, Keras, and AWS EC2** for training and analysis.

Skills: Data Augmentation, MobileNetV3, Python, TensorFlow, Keras, AWS EC2
- CropNeeds - E-commerce Platform** — [GitHub](#), [Website](#):
 - Developed a robust **e-commerce platform** for agricultural products using ReactJS and Firebase.
 - Integrated **OpenAI functionalities** to enhance user interaction.
 - Implemented CI/CD pipelines using **GitHub Actions** and hosted the platform on GitHub Pages.

Skills: ReactJS, Firebase, GitHub Actions, OpenAI, CI/CD

- **Video Player Application** — [GitHub](#):
 - Developed a desktop video player with **real-time video processing** capabilities.
 - Implemented **brightness control** features using OpenCV.
Skills: C++, Qt, OpenCV, Real-time Processing
- **Edge Detection Using Python** — [GitHub](#):
 - Implemented an **edge detection algorithm** to explore fundamental image processing techniques.
 - Achieved accurate edge extraction without external libraries.
Skills: Python, Matplotlib, Image Processing, Algorithm Development
- **K-Means Clustering Algorithm Implementation** — [GitHub](#):
 - Implemented the **K-Means clustering algorithm** from scratch in C.
Skills: C, Clustering Algorithms
- **Cloud-Based File Processing System** — [GitHub](#):
 - Developed a **microservices-based file processing system** in Go.
 - Deployed locally using **Docker, Kubernetes**, and **Minikube**.
Skills: Go, Docker, Kubernetes, Minikube, Microservices
- **Hosting Website on AWS EC2 with Auto Scaling** :
 - Built a **Flask-based website** hosted on AWS EC2 with auto-scaling enabled.
 - Enhanced performance and reliability through effective **load balancing**.
Skills: Python, Flask, AWS EC2, Auto Scaling
- **Predictive Maintenance for Turbofan Engines** — [GitHub](#), [Website](#):
 - Developed an **AI-powered application for predictive maintenance** of turbofan engines.
 - Utilized NASA's Turbofan Engine Degradation dataset and deployed on **Azure App Service**.
Skills: Streamlit, Scikit-Learn, Azure
- **Covid Simulation Using Python** — [GitHub](#):
 - Simulated COVID-19 spread using a **Markov chain model**.
 - Produced insightful **data visualizations** for regional analysis using Pandas and Matplotlib.
Skills: Python, Pandas, Matplotlib, Simulation Modeling

CERTIFICATIONS

- **Associate Cloud Engineer by Google Cloud** — [Certificate Link](#)
Credential ID: *28ba0fc4c7964630bc154853f4a994a3*

SKILLS

Languages:	Python, GoLang, C, C++, JavaScript, TypeScript, Shell Script
Frameworks:	Django, Flask, NextJS, ReactJS, Flutter, Svelte
Operating Systems:	Linux, Windows
Tools & Technologies:	AWS, Docker, Kubernetes, Git, APIs, Microservices
Interpersonal Skills:	Communication, Strategic Planning, Leadership, Teamwork

EDUCATION

- **Bachelor's in Computer Science (Exchange Program)** Sweden
Blekinge Institute of Technology August 2023 - June 2024
- **Bachelor's in Computer Science and Engineering** India
Sri Venkateswara University College of Engineering — CGPA: 7.56 June 2020 - June 2023