

VENKATA SUNIL KUMAR GANDLA

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Objective

Passionate about technology and problem solving, I am looking for the opportunity to use my skills and contribute to a dynamic company focused on innovation and real-world applications.

Skills & Abilities

AWS Cloud

- EC2 Management — ELB Configuration — Auto Scaling — S3 Solutions — VPC Design — IAM Roles & Policies — Security Groups — AWS Lambda — Route 53 DNS

Python

- Python Basics — Control Flow — Collections — OOP — File Handling — Exception Handling — Automation Scripts

Linux & System Administration

- User Management — File System Management — Process Management — Disk Partitioning — Storage & LVM — Backup & Recovery — System Scheduling

Networking

- Network Topologies — Networking Devices — TCP/IP & Protocols — IP Addressing & Subnetting — AWS Cloud Networking — VPN & Firewall Configuration — Network Troubleshooting

Internship

Solar Power Plant Internship (3 months)

- Interested in real-time solar energy applications, gain hands-on experience in system monitoring, predictive maintenance, and data-driven optimization to improve efficiency, sustainability, and advance the future of renewable energy solutions.

Projects

Smart Helmet using IoT

- Developed an IoT-based smart helmet with an alcohol detector, a helmet usage detector, a stand detector and a solar-powered cooling pad for enhanced rider safety and comfort through sensor integration and wireless communication.

Linux System Backup Automation Using Bash Script

Duration: June 2024 – July 2024

- Developed an automated backup system using Bash scripting to compress and organize directory backups.
- Enabled user-defined directory backups with timestamped filenames for version tracking.
- Used `tar` and `gzip` utilities to compress backups and reduce storage space.
- Implemented error handling to ensure reliable and verifiable execution.
- Configured `cron` jobs for scheduled daily backups on a Linux system.
- **Technologies & Tools:** Bash, Linux (`tar`, `gzip`, `mkdir`, `rm`, `echo`, `date`), Cron

Education

Bachelor of Technology in Electrical and Electronics Engineering

KSRM College of Engineering, Kadapa 2020 – 2024
CGPA: 7.18

Intermediate – MPC

The Nandyal Junior College, Nandyal 2018 – 2020
CGPA: 7.21

Secondary School Certificate (10th Grade)

Viswanathi High School, Allagadda 2017 – 2018
GPA: 8.7

Hobbies

Traveling, Swimming, Cooking

Declaration

I hereby declare that the above-furnished details are genuine to the best of my knowledge.

Place: Hyderabad

Signature: Venkata Sunil Kumar Gandla