

**Summary**

Backend Developer & Data Science Specialist with 1+ year of experience building scalable REST APIs (Node.js) and automating cloud infrastructure. Skilled in Python, machine learning (TensorFlow), and data visualization (Tableau). Optimized PostgreSQL performance by 15% and reduced deployment time by 30% through automation. Passionate about developing intelligent systems by combining backend engineering with data science.

**Education**

Bachelor of Technology in Electronics and Communication Engineering June 2020 – July 2024 Seshadri Rao Gudlavalleru Engineering College, India CGPA: 7.0

Board of Intermediate Education April 2018 – May 2020 Sri Chaitanya Junior College, India CGPA: 8.3

**Technical Skills**

* **Programming Languages:** Python, C, JavaScript
* **Data Science & Analysis**: Statistical Analysis, Regression (Linear & Logistic), Clustering, Factor Analysis
* **Machine Learning & Deep Learning**: scikit-learn, TensorFlow, NumPy, pandas, statsmodels
* **Data Visualization**: Tableau, matplotlib, Seaborn
* **Web Development:** HTML, CSS, Node.js, Express.js, React JS
* **Database Management:** MySQL, MongoDB, PostgreSQL
* **Version Control & Tools:** Git, GitHub Actions, VS Code, Anaconda
* **System Administration & Networking:** Linux, SSH, Jump Host, Cisco NX-OS, NX-API, VLANs
* Object-Oriented Programming, Software Development Life Cycle

**Work Experience**

Sumed Technologies PVT LTD

Backend Developer May 2024 – Present

* Developed robust RESTful APIs using Node.js and Express.js to drive automation of network and cloud services through a centralized infrastructure backend.
* Executed secure SSH automation workflows via ssh2 library and jump host, enabling seamless VLAN configuration and switch management through Cisco NX-API integration.
* Designed PostgreSQL schemas and queries to manage device metadata and logs, boosting database performance by 15%.
* Streamlined backend-triggered provisioning of cloud services, including VMs and databases, reducing deployment time and enhancing scalability.
* Established secure credential handling, session control mechanisms, and error tracking to ensure reliable, fault-tolerant infrastructure operations.

SmartInternz (Powered by Google Developers & NEAT) Machine Learning & Deep Learning Intern January 2023 – May 2023

* Established and implemented ML/DL models to detect Parkinson's disease through voice analysis, achieving a classification accuracy.
* Executed a real-world externship focusing on advanced neural network architectures and deployment, improving model training efficiency by 15%.
* Collaborated with interdisciplinary teams to integrate AI solutions into ensuring seamless functionality and user-friendly interfaces.

**Projects**

Infra Automation Platform May 2024 – May2025

* Engineered automated provisioning workflows for network and cloud infrastructure through a custom web UI, accelerating deployment processes and minimizing manual intervention.
* Implemented secure SSH tunneling and NX-API integration, enhancing remote device management and configuration accuracy by 20%.
* Developed Node.js backend services to streamline infrastructure automation, increasing deployment efficiency and reducing error rates.

**Certifications & Trainings**

* Completed Machine Learning & Deep Learning-23 Externship with Google Developers – NEAT and SmartInternz.
* Achieved AWS Academy Graduate status by completing AWS Academy Machine Learning Foundations – Amazon Web Services.
* Certified in The Complete Full-Stack Web Development Bootcamp – Udemy.