Charan Nuthalapati

Cloud & DevOps Enthusiast | Entry-Level Engineer | AWS | CI/CD | Python | Data Analytics

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CAREER OBJECTIVE

Aspiring Cloud Engineer and Data Analyst with hands-on experience from internships at BCG X, Deloitte and Verizon. Gained expertise in cloud computing, network security, and data analytics through my Master's degree in Technology at EIU. Worked on Gen AI, VPN security, cloud native assessments and data visualization using Tableau, Jupiter, power Bi. Passionate about cloud infrastructure, automation, and DevOps, with skills in Python, AWS, CI/CD, and IaC.

EDUCATION

Eastern Illinois University , Master's in Computer Technology   2025

- GPA: 3.9/4.0
- **Coursework:** Cloud Computing, Data Analytics, Database Security, Java Application in Technology

R.M.K Engineering College , Bachelor of Engineering in Electronics & Communication Engineering Technology   2022

- GPA: 8.18/10.0
- **Coursework:** Digital Signal Processing, Cloud & Mobile Services, Advanced Database Engineering

EXPERIENCE

Graduate Assistant – Faculty Development and Innovation Center (FDIC)   2025
–Eastern Illinois University

- Assisted in Conducted workshops on green screen technology, VR, podcasting, and 3D printing.
- Managed faculty and student technology adoption initiatives.
- Organized technology-driven events to enhance student learning.

Student Worker – Faculty Development and Innovation Center (FDIC) –Eastern   2023
Illinois University

- Assisted in Guided students and faculty in adopting technology for collaboration and learning.
- Assisted with troubleshooting technical issues and resource management.
- Organized technology-driven events to enhance student learning.

PROJECTS

CI/CD Pipeline Deployment (Personal Project)

- Deployed a static site on AWS S3 with CloudFront and Route 53.
- Used GitHub Actions & CloudFormation for fully automated IaC deployment.
- Achieved 80% reduction in manual deployment time.

Cloud Infrastructure & Security – Verizon (Virtual Internship)

- Evaluated VPN security and reliability of cloud-native services.
- Used Python CLI for infrastructure testing and reporting.
- Proposed improvements for enterprise-grade compliance.

AI Financial Chatbot – BCG X GenAI (Virtual Internship)

- Built an AI chatbot using Python and Pandas for financial insights.
- Applied GenAI for risk analysis and prediction.
- Presented structured reports and business insights.

Business Dashboards – Deloitte & PwC (Virtual Internships)
- Designed data dashboards (Tableau & Power BI) for HR and finance departments.
- Automated reporting processes for real-world client simulations.
- Shared key KPIs through executive-level summaries.

TECHNICAL SKILLS

Languages: Python, Java, SQL, C++

Web Technologies: HTML, CSS.

Cloud Technologies: AWS (EC2, S3, IAM, Lambda), Cloud Security, VPN Testing.

Data Analytics & Visualization: Tableau, Excel, Power BI.

DevOps & Automation: Docker, Kubernetes, GitHub, CI/CD, Infrastructure as Code (IaC).

Database Management: MongoDB, MySQL, PostgreSQL, Advanced Database Technologies.

Networking & Security: VPN Security Testing, Cloud-Native Traits, Database Security & Reliability.

Other Tools & Technologies: Command-Line Scripting, Virtualization, Green Screen & VR Technologies.

CERTIFICATIONS

- AWS Cloud Practitioner.
- Virtual Internships (Forage): BCG X GenAI, Deloitte, Verizon, PwC
- Core Java – Naresh i Technologies.
- Python – SoloLearn.

SOFT SKILLS

- Problem Solving: Resolved 50+ real-time support issues.
- Communication: Delivered technical findings to both tech and non-tech audiences.
- Initiative: Created original internal guides for tech onboarding.
- Adaptability: Self-learned CI/CD tools and Terraform within weeks.
- Collaboration: Worked with cross-functional teams on cloud/AI/data projects.

CAREER VISION

- To evolve into a Cloud Solutions Architect, leading the charge in automation, cloud-native infrastructure, and DevOps transformation across enterprise platforms.