Vikas Yadav

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EDUCATION

- **Dr. Ambedkar Institute of Technology for Handicapped** — Kanpur, India
  Bachelor of Technology - Information Technology; GPA: 8.13 — *July 2018 - June 2022*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases*

SKILLS SUMMARY

- **Languages:** Python, Shell Scripting
- **Containerization:** Docker, Kubernetes
- **Infrastructure as Code:** Terraform, Cloudformation
- **Database:** MySQL, postgresql, mongoDB
- **DevSecOps:** SonarQube, Gitleak check, Image Scanning, Snyk
- **Cloud platform:** AWS (Ec2, Lambda, ECS, EKS, WAF, Cloudfornt, Load Balancers, VPC, DMS)
- **Soft Skills:** Collaboration and Teamwork, Problem Solving, Continuous Learning and Improvement

EXPERIENCE

- **Nagarro - Maruti Suzuki India Limited - CRM and Common Components** — Remote
  DevOps Engineer (Full-time) — *July 2022 - Present*
  - Collaborated with cross-functional teams to implement DevOps practices, ensuring seamless integration between development, testing, and operations processes.
  - Developed and executed cost optimization strategies like downgrade the development environment after working hours,resulting in a 15% reduction in overall infrastructure expenses.
  - Automated deployment processes using python scripts, resulting in a 50% time reduction and 20% more frequent deployments
  - Configured CI/CD pipelines, and identifying 80% fewer security vulnerabilities.
  - Implemented infrastructure as code (IaC) using Terraform, reducing manual intervention and ensuring consistent and reproducible deployments
  - Collaborated with developers to boost application speed by 30% and reduce resource usage by 50%.
  - Set up monitoring and alerts for critical resources and implemented automation to enhance performance.
  - Collaborated with developers to boost application speed by 30percent and reduce resource usage by 50%.

- **Summer Trainee — ICT Academy, IIT Kanpur** — Kanpur
  Python — *June 2019 - July 2019*
  - **Skills**: Aquired practical knowledge in Python, including OOP concepts, and learned libraries such as NumPy, Pandas, Matplotlib, and Tkinter
  - **Practical**: created a tic tac toe game from scratch, used tkinter library for GUI

PROJECTS

- **InterviewStreak - Web app** : Python project on AWS EC2. Managed project deployment and maintenance, utilizing Docker containers with Gunicorn. Established secure network connectivity, added domain name, and implemented SSL encryption. Maintained a separate EC2 instance for the project's database.

- **ISL - Web app** : Platform to enhance the communication capabilities of people with hearing disabilities. Used NLTK for text processing, StanforCoreNLP parser for grammatical knowledge and achieved 89% accuracy and Django for making web app

CERTIFICATIONS

- **DevOps Engineer - Professional**: Amazon Web Services
- **Associate Solution Architect**: Amazon Web Services
- **Python**: ICT ACADEMY IIT KANPUR

ACHIEVEMENT

- Received recognition for exceptional contributions to the MSIL project
- Secured rank in Top **2%** in Codekaze competition organized by Coding Ninja.
- Awarded by district magistrate and get certificate in District Meritorious Student competition