Akash Kistapuram

✉ kpakash2015@gmail.com 📞 6281993764 in linkedin ⊙ GitHub 📍 Hyderabad

Education

Bachelor of Technology, Vignana Bharathi Institute of Technology   2020 – 2024 | Hyderabad, India
Computer Science and Engineering (Data Science) - (6.83 CGPA)

Intermediate, Abhyaas Junior College   2018 – 2020 | Hyderabad, India
Telangana State Board of Intermediate Education - (74%)

Secondary School Certificate, Sr. Digi. School   2017 – 2018 | Siddipet, India
Board of Secondary Education, Telangana - (8.3 CGPA)

Skills

Cloud: Aws Services(EC2, S3, IAM, VPC, RDS, DynamoDB, Lambda, CloudFront, CloudWatch, API Gateway, Route 53)

Devops: Terraform, Docker, Ansible, Kubernetes

Programming: Python

Databases: MySQL

Operating Systems: Linux, Windows

CI/CD Tools: Git, GitHub

Networking: TCP/IP, OSI Model, DNS

Soft Skills: Logical thinking & problem-solving, Strong communication & teamwork, Self-motivated and adaptive learner

Projects

Dynamic Pricing Prediction Model
Built a machine learning model in Python to predict dynamic pricing based on real-world market behavior. Utilized **data preprocessing, feature engineering**, and supervised learning techniques to forecast price changes.

Hosting a Static Website on AWS ⌐
Designed and deployed a fully serverless static website using **AWS S3**, **Route 53**, **CloudFront**, and **AWS Certificate Manager (ACM)**. Configured secure HTTPS access and custom domain routing.

Cloud-Based Web Application ⌐
Developed a serverless web application using **AWS Lambda**, **API Gateway**, and **DynamoDB**. Implemented scalable RESTful APIs and integrated backend logic for real-time data handling.

Deploying a Node.js App on AWS ⌐
Deployed a Node.js application on **AWS EC2**, integrated with **MySQL** via **AWS RDS**, and managed using **PM2** for process reliability. Ensured high availability and smooth server operations.

Infrastructure as Code with Terraform
Automated the provisioning of **AWS infrastructure** components such as **EC2** instances and **S3** buckets using **Terraform**. Developed reusable and modular Terraform scripts to manage cloud resources efficiently and ensure consistent, version-controlled infrastructure deployment.

Internships

AWS Cloud Application Developer Inten - Vinsys IT services   12/2024 – 03/2025 | Hyderabad, India
- Gained hands-on experience with key **AWS services** including **EC2**, **S3**, **RDS**, **VPC**, **Lambda** and **CloudWatch**
- Focused on optimizing **performance, security, and cost**-efficiency of cloud-based applications
- Contributed to infrastructure automation, serverless deployments, and system monitoring within live cloud environments

Certificates

- AWS Certified Cloud Practitioner– Amazon Web Services
- Salesforce Administrator Virtual Internship - Smartinternz
- Introduction to SQL - Simplilearn
- AWS Academy Graduate - AWS Academy
- Python For Beginners - udemy

Participations and Activities

- AWS re/start graduate
- Secured 1st Prize in the DesignX Workshop organized by IEEE, VBIT.
- Participant in Hacknovation, a 24-hour hackathon organized by VBIT, and received a certification of participation.

Languages

- English, Hindi, Telugu