

ATHARV PANCHPOR

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WORK EXPERIENCE

- Network Engineer** — **Frugal Innovation Hub** *Santa Clara, CA*

Feb 2025 – Present

 - Resolved technical issues by developing a Classroom Configuration Identifier using AlexNet CNN, achieving 97% accuracy in classroom layouts.
 - Enhanced troubleshooting efficiency by automating image recognition workflows, streamlining data analysis for research applications.
 - Utilized Java to develop backend components for data processing, optimizing system performance and enhancing automation workflows.
- Data Analyst Intern** — **Folloze** *San Mateo, CA*

Jan 2024 – Jun 2024

 - Utilized predictive analytics and classification algorithms to improve sales accuracy and customer segmentation, achieving reliable metrics (AUC, ROC, F1 Score).
 - Created custom visualizations and developed a sales lead prioritization model, significantly boosting sales performance and driving revenue growth.
 - Led the development of a sales lead prioritization model with 75% accuracy through data preprocessing and financial analysis.
- Site Reliability Engineer** — **Altizon Inc** *India*

July 2022 – May 2023

 - Maintained 99% system uptime and ensured data integrity by proactively monitoring and managing compute, network, and storage infrastructure across cloud environments.
 - Administered and optimized **Kubernetes** clusters and **Dockerized** microservices to enhance container orchestration, scalability, and deployment consistency.
 - Deployed Infrastructure as Code using **Terraform** and managed GitOps workflows to provision and maintain AWS infrastructure with version-controlled precision.
 - Provided high-priority, white-glove incident response for networking, DNS, and access issues impacting leadership and business-critical workflows.
 - Mentored junior engineers and supported knowledge base documentation for repeat issue resolution and faster onboarding.
 - Implemented and maintained observability tooling including **Prometheus**, **Grafana**, and the **ELK Stack** to enable real-time performance monitoring, alerting, and log analytics.
- DevOps Engineer** — **Aventior Inc** *India*

Oct 2021 – Jul 2022

 - Collaborated with cross-functional teams on a healthcare platform, leveraging **Java** and automation tools to enhance system performance, achieving 95% client satisfaction.
 - Containerized applications using **Docker** & deployed them with **Kubernetes**, enabling high availability, scalability, and consistent environment.
 - Streamlined **CI/CD** pipelines using Jenkins, reducing deployment time by 30% and improving release efficiency.
 - Managed and provisioned **AWS** cloud infrastructure manually and via **Terraform**, optimizing cost, performance, and scalability across services like **EC2**, **ECS**, **S3**, **RDS**, and **DynamoDB**; also worked with **IAM**, **VPC**, **CloudWatch**, **CloudFormation**, and **Lambda**.
 - Configured system observability using Prometheus for metrics collection and ELK Stack for log aggregation and analysis.
 - Applied Agile methodologies and tools like **JIRA** for sprint planning, issue tracking, and cross-team collaboration, improving project delivery timelines by 25%.
- DevOps Intern** — **Unnati Training & Development** *India*

May 2020 – Jul 2020

 - Deployed Internet Information Services (IIS) on Windows instances within AWS and Google Cloud, ensuring stable and high-performance hosting for applications.
 - Configured a two-tier voting application on Google Cloud, integrating a WordPress frontend with a MySQL backend to deliver an efficient and user-friendly solution.

SKILLS

Programming Languages	Python, R, SQL, Bash, Java, C.
Development & Tools	AWS, Kubernetes, Docker, Ansible, MySQL, Jenkins, Git, ELK, Grafana, Prometheus, JIRA, Slack, Zoom.
Operating System	Debian, Red hat Linux, Kali Linux, CentOS, Windows.
Soft Skills	Leadership, Problem Solving, Results-Oriented, Client-Focused, Collaborative Team Player.

CERTIFICATIONS

AWS Solutions Architect Associate	Red Hat Certified Engineer & System Administrator	Aviatrix-Multicloud Network Associate
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EDUCATION

- Santa Clara University, Leavey School of Business**

2023 – 2025

Master of Science in Information Systems.

Relevant Coursework: Data Analytics & Visualization, Cloud Computing, Cybersecurity Management, Business Intelligence.

Involvement: Product Club Member, Former Student Employee.
- Dr. Babasaheb Ambedkar Technological University**

2018 – 2022

Bachelor of Technology in Computer Science

Relevant Coursework: Algorithms & Data Structures, Operating Systems, Database Management, Computer Networks, Machine Learning.

Involvement: IOC Ambassador, Event Coordinator, Social Services Volunteer.

PROJECTS

- AWS Partyrock app** | **FIT FUSION AI** | AWS Lambda, DynamoDB, Amazon Bedrock, SageMaker, Kinesis, Cognito |

 - Built an AI-driven fitness app with personalized workout and diet plans using AWS services.
 - Integrated Bedrock and Sage Maker for model training and insights; enabled real-time processing with Kinesis.
 - Secured user access with Cognito and API Gateway for scalable, reliable performance.
- US Car Accidents Analysis** | Python, SQL, Tableau, Machine Learning |

 - Analysed 7.7M accident records to uncover safety patterns using ML models and statistical analysis.
 - Identified top 10 high-risk weather and location-based factors, contributing to over 60% of severe accidents.
 - Processed and visualized data with Python, SQL, and Tableau to support traffic safety decisions.