

Aryan Singh

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EXPERIENCE

Tata Consultancy Services (TCS)

May 2025 – Present

Assistant System Engineer

Kolkata, India

- Supported cloud rehosting of **20+ enterprise applications** from on-premises infrastructure to cloud environments.
- Contributed to **5+ Angular version upgrades**, resolving compatibility issues and validating application stability.
- Managed lifecycle, security compliance, technical analysis, and documentation for **500+ enterprise applications**.
- Collaborated with on-site developers and stakeholders for modernization and enterprise application delivery.

PROJECTS

CloudNative CI/CD Platform | **AWS, Docker, GitHub Actions, Terraform, EC2**

[GitHub Repo](#) | [Live Demo](#)

- Automated Docker image build, Amazon ECR publishing, and EC2 deployment using GitHub Actions.
- Provisioned AWS infrastructure with Terraform for repeatable cloud deployments.

CloudNative Observability System | **AWS, Prometheus, Grafana, Docker, GitHub Actions**

[GitHub Repo](#) | [In development](#)

- Developing a cloud-native observability platform with centralized metrics, dashboards, and automated alerting.
- Implementing Prometheus and Grafana to monitor infrastructure health and support incident detection workflows.

MindPath Harmony | **HTML, CSS, JavaScript, Firebase, Flask**

[GitHub Repo](#) | [Live Demo](#)

- Built a full-stack mental wellness platform with assessments, self-counseling, trackers, and appointment scheduling.
- Implemented Firebase authentication, user profiles, and personalized resources with a responsive interface.

CERTIFICATIONS & RECOGNITION

[AWS Cloud Practitioner Essentials](#)

AWS | 2026

[Oracle Cloud Infrastructure Foundations Associate](#)

Oracle | 2023

[Cisco Cloud Security](#)

Cisco | 2023

[On the Spot Award](#)

Tata Consultancy Services | 2026

[Certificate of Appreciation](#)

Tata Consultancy Services | 2025

TECHNICAL SKILLS

Cloud & DevOps: AWS (EC2, ECR, IAM, S3), OCI, Docker, Terraform, GitHub Actions, CI/CD

Programming: Python, JavaScript, HTML, CSS, Angular, Flask, Firebase

Systems & Tools: Linux, Windows Server, Git, Jira, Confluence

EDUCATION

Shri Ramswaroop Memorial College of Engineering and Management

2020 – 2024

Bachelor of Technology in Information Technology

Lucknow, India

- Relevant Coursework:** Data Structures, Algorithms, OS, DBMS, Computer Networks, Software Engineering