

# Deepansh Singh

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## EDUCATION

PDM UNIVERSITY - Bachelor of Technology in Computer Science and Engineering

2019 - 2023

## PROJECTS

### The Multi-Cloud Resume

Link: [Github](#), Live: [deepansh.app](#)

- Developed and deployed a comprehensive web application using **AWS S3**, and **GCP Cloud Storage**, incorporating **HTML**, **CSS**, **Javascript** and various other technologies across the application lifecycle.
- Designed for high resiliency and scale using Google Cloud **Load Balancers**, **Cloud CDN**, and **AWS Route 53** with weighted-round-robin. Leveraged Serverless solutions such as **AWS Cloudfront** and **GCP Cloud Run** to reduce operational costs.
- Orchestrated a complete **CI/CD** pipeline across source control, build, package, and testing using **GitHub Actions** and **Jenkins**.
- Automated backend infrastructure by implementing a **Jenkins** pipeline integrated with **Terraform** and remote state file, ensuring robust version control and 50% faster deployments with improved scalability.
- Implemented application visitors counter persisted in **DynamoDB** table and configured using **Python** (boto3 library) through **AWS Lambda**.

### Google Cloud DevOps

Link: [Github](#)

- Developed, containerized, and deployed a **Flask** application utilizing **Docker** (image stored in **Google Cloud Container Registry**) and **Kubernetes** via **Google Kubernetes Engine**, enhancing application distribution and scalability.
- Achieved significantly reduced runtime errors by ensuring uniformity across development, staging, and production environments, enhancing software reliability.
- Devised a CI/CD pipeline with **Google Cloud Build** and **GitHub Actions**, which allowed safe and efficient propagation of changes across distinct environments, driving overall operational efficiency.
- Launched to production and exposed Kubernetes endpoint via the **load balancer IP**.

## EXPERIENCE

### Team Computers - Cloud Solutions Engineer - L1

Feb 2024 - Present

- Designed, tested, and implemented two Gen AI search and chatbots utilizing **VertexAI** on the company's website ([live](#)), leading to a 50% increase in customer interaction, providing user search insights, and an estimated 15% increase in sales.
- Developed a dedicated Policy Search bot for internal team use, enhancing employee experience by reducing search time by 70% and streamlining access to critical HR policy resources.
- Delivered [demos](#) showcasing Google Cloud capabilities for migrating on-premise infrastructure to 10+ customers, and created persuasive [DAF documents](#) and [commercials](#) using Google Cloud **Pricing Calculator**, effectively communicating the value proposition, resulting in 4 successful client conversions within 2 months.

### Pyramid Developers - Mobile Application Developer

Jul 2022 - Aug 2023

- Spearheaded front-end development for a premier client at Pyramid Developers, utilizing **Firestore** and **Flutter** for seamless hosting and integration, enhancing application reliability and scalability by up to 60%.
- Leveraged key contacts to drive business growth, contributing to a significant increment in revenue.
- Guided new interns for efficient project onboarding and led a team of 5 developers on new projects, recognized for rapid advancement to leadership within three months.

## LEADERSHIP

### Volunteer/Organizer, GDG Cloud New Delhi

March 2022 - Present

- Organized 20+ developer events and 7 Google Cloud community events and conferences in the Delhi NCR region.
- Achieved an average CSAT rating of 4.55 across all events with assessment, planning, and successful execution in order.

### Facilitator, Google Cloud Readiness Program

March 2021 - June 2021

- Trained & mentored 400+ students for Google Cloud Associate Cloud Engineer certification across 3 universities as part of the program, with active participation of 350 people, while personally providing weekly progress reports of each individual through customised emails and 24x7 support on WhatsApp [group](#).
- Achieved an average CSAT of 4.8 by providing continuous feedback with various touch points.

### University Tech Club - Manager

May 2021 - May 2023

- Spearheaded a team of 10 people for planning and organising sessions, talks, and CTF contests.

- Increased attendee turnout by 85% by inviting industry experts to share knowledge and industry trends to student forums.

## CERTIFICATES

- [Google Cloud Certified - Professional Cloud Architect](#) *(valid till 2025)*
- [Google Cloud Certified - Associate Cloud Engineer](#) *(valid till 2026)*