

# VED PRATAP SINGH RAJPOOT

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## Education

Motilal Nehru National Institute of Technology, Allahabad

Nov 2020 – May 2024

Bachelor of Technology, Computer Science and Engineering

CPI: 7.25/10

## Technical Skills

**Languages:** Go (Golang), C, C++, Java, Python, JavaScript

**Databases:** MongoDB, MySQL, PostgreSQL, Redis

**Technologies/Frameworks:** ReactJS, ExpressJS, NodeJS, Django, Bootstrap, Tailwind CSS

**DevOps/Cloud:** Docker, Kubernetes, Ansible, Terraform, Helm, Google Cloud Platform, Oracle Cloud Infrastructure

## Experience

### Google

Aug 2024 – Present

Software Engineer

Bangalore

- Migrated the Explainability dashboard's cluster health data source within the Flume pipeline from MoveAdvisor to Capacity Shaper, improving data accuracy by 30%, resulting in better resource allocation in Google Cloud's capacity management system.
- Developed and implemented two new automated workflows in Salish to move machines between Warchest and the Swap pantry, reducing manual intervention by 40% and optimizing resource allocation.
- Collaborated with cross-functional teams to gather requirements and design, test, and deploy new features for Cloud Capacity Management, improving resource utilization by 15% across multiple Google Cloud services.

### Google

Feb 2024 – July 2024

Software Engineering Intern

Bangalore

- Led the development and deployment of Sunbird Virtual Assistant, an open-source conversational AI platform for Indian languages, on Google Cloud Platform.
- Designed and implemented GCP infrastructure using Terraform, Cloud Build, and Helm, automating deployment for clients and reducing manual setup time by 60%.
- Integrated a Telegram bot for user interaction, resolving compatibility issues and increasing user engagement by 25%.

### Oracle

May 2023 – July 2023

Summer Internship — [Certificate](#)

Bangalore-Remote

- Deployed Unified Monitoring agent on Oracle Cloud Infrastructure using Docker and Kubernetes, enabling real-time monitoring for 50+ applications, which improved system reliability.
- Automated integration tests using Ansible, reducing manual testing time by 5-7 person-days and increasing testing efficiency by 40%.
- Optimized log collection and metrics transmission, which improved data accuracy and reduced troubleshooting time by 30%.

## Projects

Streamverse | -ReactJS, Tailwind CSS, MongoDB, ExpressJS, NodeJS, SocketIO [Git](#)

Oct 2022 – Dec 2022

- Developed a video streaming website with real-time chat (using Socket.io), user authentication, video uploads, search, trending content, playlists, and rooms for collaborative viewing.

Quizzer | - ReactJS, Express, NodeJS, MongoDB, Bootstrap [Git](#)

July 2022 – Aug 2022

- Built Quizerr, an online quizzing platform with user authentication, quiz creation, a leaderboard, and detailed analytics dashboards for teachers to track student performance.

## Achievements

- ACM-ICPC Regionalist** — Amritapuri 2021, Kanpur 2021 — [Certificate](#)
- Google Kickstart** — Global Rank 922 in Round D, Global Rank 1009 in Round B 2022
- Expert at Codeforces** — Rated 1645, in the top 5% of active users in competitive programming. — [Profile](#)
- 5 Star at Codechef** — Global Rank 50 in Starters Div.2, Global Rank 51 in July Lunchtime Div. 2 out of 20000+ participants — [Profile](#)

## Position of Responsibilities

**Coding Club Administrator:** Coordinated 15+ coding events and hackathons, increasing participation by 30% year-over-year, and mentored 50+ students, helping them secure internships at top tech companies.

**Expanding Horizons Coordinator:** Conducted Mock Internship coding rounds and interviews of 500+ students.