

Dheeresh Agarwal

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[GitHub](#)

[Linkedin](#)

[Portfolio](#)

Education

Indian Institute of Technology, Bhubaneswar

(2017 - 2022)

B.Tech (Integrated)

CGPA: 8.11

Work Experience

Attentive.ai - SDE - 1

(Dec 2023 - Aug 2024)

- Accelerated API response times by **98% (from 30s to 0.5s)** through **asynchronous programming using RabbitMQ**, significantly enhancing backend performance and user experience.
- Developed an **event-driven notification system using pub-sub** that improved real-time user engagement and interaction across the platform.

HighOnSwift - SDE - 1

(Dec 2022 - Dec 2023)

- Designed and built staking and admin dashboards, **improving operational efficiency and platform usability** for Web3 NFT products.
- Led backend automation for NFT avatar management, ensuring system reliability and scalability by implementing **caching and logging** mechanisms to support **high user** growth.

RingCentral - SDE - 1

(Jul 2022 - Nov 2022)

- Led a team of 4 interns** to develop and integrate a chatbot with Concur APIs, **reducing managers' daily workflow time by 30 minutes** via streamlined employee expense approvals and rejections.
- Automated webinar summary delivery with Zapier and webhooks**, enabling hosts to receive instant session insights and eliminating manual reporting delays.

Personal Projects

- Created an **open-source** project, **coloured-icons** using Next.js, having **260+** GitHub stars and **57+** forks, **simplifying icon integration** for developers using a **CDN based** approach. coloured-icons.vercel.app
- Developed Vembric, an alternative to Docusaurus, that automates documentation updates by using **REST APIs instead of manual mdx** file creation, built with **MERN stack** and designed for flexibility. vembric.vercel.app

Publications

A **kinetic model** for qualitative understanding and analysis of the effect of 'complete lockdown' imposed by India for controlling the COVID-19 disease spread by the **SARS-CoV-2** virus. arxiv.org/abs/2004.05684

Technical Skills

Frameworks and Toolkits: Django, Node.js, Next.js/React.js, Redux Toolkit, Tailwind CSS

Programming languages: C/C++, TypeScript/JavaScript, Python, Java, SQL

Databases and Queues: PostgreSQL, MongoDB, Firebase, Redis, RabbitMQ, Pub/Sub

DevOps & Testing: Git, Google Cloud Platform (GCP), Docker, CI/CD (Jenkins & GitLab), pytest, Jest

Achievements

- Secured All India Rank **915** in the GATE **Data Science & AI** exam this year.
- Contributed **bug fixes** and enhancements to the **Kibo UI open-source** library. (commit [0dd3412](#), issue [182](#)).
- Guardian** on LeetCode with a rating of **2179** (Top 1.05% globally). leetcode.com/u/dheereshagrwal

Positions of Responsibility

- Class Representative (2017 - 2020)
- Gym Secretary (2019 - 2020)