Dheeresh Agarwal

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Education

Indian Institute of Technology, Bhubaneswar *(2017 - 2022)*

B.Tech (Integrated) *CGPA: 8.11*

Work Experience

TaxHoa - *Software Engineer* *(Dec 2022 - Present)*

- Developed **automated workflows** for document generation and tax calculations **reducing manual effort,** saving clients **2 hours** per filing.
- Enhanced interactivity and **user engagement** by creating an **event-driven notification** system.
- Optimized **API performance** through **asynchronous programming**, significantly reducing response times from 30 seconds to 0.5 seconds.
- Created the **staking and admin dashboard**, enhancing the platform's functionality and user interface.
- Leveraged API integrations to **auto-populate** tax forms with existing user data, further reducing repetitive data entry by an average of **80%**.
- Led the development of robust and automated backend solutions for web3-based NFT avatars.

RingCentral - *Software Engineer* *(Jul 2022 - Nov 2022)*

- Optimized managers' daily workflow, saving them **0.5 hours** a day by integrating a chatbot with Concur APIs to expedite the **approval or rejection** of employee expense reports.
- Enabled **instant access to session insights** by automating the delivery of webinar summaries to the host after each session, utilizing Zapier and webhooks.

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, Tailwind CSS

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

Databases: PostgreSQL, MongoDB, Firebase, Redis

DevOps & Others: Git, GCP, Docker, CI/CD, Jira

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 React component library, built on top of shadcn for accessible, advanced UI elements in web apps. (commit 0dd3412, issue 182).
- Created an open-source project, coloured-icons, having **260+** GitHub stars and **55+** forks, simplifying icon integration for developers using a CDN based approach. coloured-icons.vercel.app
- **Guardian** on LeetCode with a maximum rating of **2158**. leetcode.com/u/dheereshagrwal

Positions of Responsibility

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