






# KRISHNA KUMAR

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## Experience

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### DRDO R&DE (Engrs)

Nov '23 – Mar '24

*Research Intern*

*Pune/Remote*

- Developed secure peer-to-peer communication protocol using Kyber, a post-quantum cryptography algorithm.
- Implemented AES-256 encryption for data confidentiality.
- Contributed to data integrity verification through Dilithium2 signatures.

### ENITIATE

Jun '23 – Nov '23

*Founder's Office Tech Intern*

*Remote*

- Managed team of 5 people, coordinated tasks, and ensured project progress.
- Optimized GCP development pipeline with GitHub webhooks.
- Integrated AWS services for secure backend access and implemented CloudFront for efficient data caching.

### SKILLERATE

Mar '23 – Apr '23

*Back-End Developer Intern*

*Remote*

- Developed a critical module for a live Learning Management System (LMS), optimizing user workflow.
- Collaborated with the Frontend Team to enhance the LMS user interface, improving user experience
- Led efforts to refine and improve the admin panel, enhancing system manageability.

### MAUKA EDUCATION

Jul '22 – Aug '22

*Back-End Developer Intern*

*Remote*

- Designed secure login/register form and improved spider chart for progress visualization.
- Enhanced UI responsiveness and upgraded APIs.

### MICROSOFT LEARN STUDENT AMBASSADOR, KIIT CHAPTER

Jan '22 – Present

*Full Stack Developer*

- Organized tech events, hosted workshops, and developed Stocks Dashboard Site.
- Collaborated with ambassadors to promote 'Tech for All' through events and resources.

## Projects

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### Title Generation From Human to Human Conversation | *PyTorch* |

Jan '24

- Oversaw data preprocessing pipeline for conversational data, ensuring high-quality input.
- Designed and implemented a PyTorch Seq2Seq model for title generation, contributing to project success.

### Kryptic Hunt | *Next.js, Tailwind, Next Auth* |

Dec '23

- Built a Kryptic hunt game using Next.js, enabling level progression and leaderboard competition.
- Enhanced user engagement with dynamic level advancement and real-time leaderboard updates.

### KTF Backend | *Express.js, Firebase, TypeScript* |

May '22

- Developed a backend for event ticketing, integrating Firebase authentication and Razorpay payments.
- Implemented Google sign-up, coupon codes, and multiple payment methods.

### Public APIs Site | *Next.js, React.js, Chakra-UI* |

Jul '21

- Developed website for discovering public APIs with a user-friendly interface.
- Implemented search function by category or keyword.

## Skills

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**Languages:** JavaScript, TypeScript, Golang, Java

**Tools:** VS Code, AWS, GCP, Figma, Git, Redis, Terraform

**Frameworks:** React, Next.js, Express.js, Gin, PyTorch, Cobra cli

## Education

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### KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

2021 – 2025

*B. Tech in Computer Science and Engineering, CGPA 7.45/10*

*Bhubaneswar, Odisha*