

# Krishay S. Nair

+353 (083) 147 7505 ✉ krishay958@gmail.com 📄 Krishay Nair 🌐 KrishayNair 📁 Portfolio

## EDUCATION

### University College Dublin

Masters of Science in Information Systems

Dublin, Ireland  
Sep 2025 - Sep 2026

### University of Mumbai

Bachelors of Engineering in Computer Science

Mumbai, India  
Jul 2021 - Jun 2025

## TECHNICAL SKILLS

- **Programming Languages:** C++, Go, Python, Java, C, JavaScript, SQL, Object-Oriented Programming
- **Network Engineering & Protocols:** Network Protocols, IP Protocols, L3/L4/L7 Networking, Traffic Management, Network Performance, Distributed Systems, Large-Scale Systems
- **Infrastructure & Operations:** Kubernetes, Observability, Caching Strategies, Docker, CI/CD, System Reliability, Performance Optimization, Production Systems
- **Software Engineering:** Algorithms, Data Structures, System Design, Software Development, Automated Testing, Version Control, Agile Methodologies

## EXPERIENCE

### IIT Bombay (Education Technology Department)

Site Reliability & Systems Engineering Intern

Mumbai, IN  
Aug 2023 - Feb 2024

- Established distributed systems infrastructure supporting 100+ simultaneous users, achieving **99.9% uptime** via intelligent health checks and load balancing in the AWS Mumbai region.
- Devised optimized API calls and state management strategies using React Developer Tools, Chrome Lighthouse and Web Vitals, Postman and Swagger, achieving **30% improvement** in page load performance.
- Initiated and implemented a CI/CD pipeline with GitHub Actions, AWS CodeDeploy, and Docker, reducing deployment time from 30-40 minutes to **under 10 minutes**.

### Communicore Fiberinfra Private Limited (CFPL)

Infrastructure Automation & Reliability Intern

Mumbai, IN  
Feb 2023 - Aug 2023

- Designed and implemented a React-based provisioning platform with client-side caching, pagination, and secure API integrations across 10+ services, cutting load times by **30%** and improving performance in low-connectivity regions.
- Introduced automated workflows that increased provisioning efficiency by **50%**, translating infrastructure needs into automation workflows in collaboration with network engineers and field technicians.

### EasyCompany

Software Developer (SDE) Intern

Remote  
Nov 2022 - Feb 2023

- Created responsive web interfaces with Next.js and Tailwind CSS, enhancing user experience and driving a **40% increase** in user engagement.
- Pioneered modernization of a legacy codebase using React components, improving performance and maintainability, reducing page load time by **30%**.

## ACADEMIC PROJECTS

[All Projects](#)

### Career2campus - Intelligent Prep System | JavaScript, Next.js, Docker, CI/CD, PostgreSQL, OpenAI

[Live Link](#)

- Built an AI-driven placement platform using distributed, scalable architecture, optimizing learning paths, improving performance, and saving users **100+ prep hours**, adopted by two colleges.
- Designed high-availability backend with load-balanced services and efficient data workflows; national-level winner among **60 teams** and **360+ participants**.

### LegAlly - Smart Legal Platform | Python/FastAPI, React.js, Node.js, Pinecone, PostgreSQL, Docker

[Live Link](#)

- Developed LegAlly, an AI legal automation platform improving research, drafting, and collaboration, reducing workflow time by **60%** for law firms.
- Engineered scalable, secure dual-interface system for judges and lawyers; hackathon winner out of **500+ teams**.

## ACHIEVEMENTS & CERTIFICATIONS

[All Certifications](#)

- **NASA Space Apps Global Nominee 2025** for HabitatForge observability architecture; President of DataMatrix (**100+ members**), organizing **10+ tech workshops** and **7x hackathon winner** including Smart India Hackathon 2024.
- **Certifications:** OCI Multicloud Architect Professional, OCI Generative AI Professional (Oct 2025 - Oct 2027), Oracle Database@AWS, Google Cloud Certified Associate Cloud Engineer.