# Abhiram Krishna

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## EDUCATION

**Amrita Vishwa Vidyapeetham**                                                          2021-2025
*Bachelor of Technology in Computer Science*                                          *GPA: 8.45*

## EXPERIENCE

**VirtualLabs (MoE Project)** - *Development Intern with Amrita VirtualLabs*          May 2024 - Present
- VirtualLabs, an initiative of Ministry of Education (MoE), Govt. of India, is an experiential learning platform, featuring over 700+ exercises across STEM disciplines.
- Spearheaded the migration of Amrita VirtualLabs platform from PHP 5 to PHP 8, addressing vulnerabilities and migrating data to enhance performance and security.
- Developed 2 new lab modules visualizing Breadth-First Search (BFS) and Depth-First Search (DFS) algorithms, with customisable parameters and traversal animations using React.

**Traboda CyberLabs** - *Full-Stack Development Intern*                              October 2022 - April 2024
- Contributed to the development of Traboda Arena platform (arena.traboda.com), a Capture-The-Flag (CTF) based cyber-games and cyber-skill assessment platform.
- Managed the deployment of platform and cloud infrastructure for hosting India's National VAPT Challenge, Pentathon 2024, hosted by NCIIPC (DRDO) and AICTE (the Ministry of Education), and provided technical support. Over 8900 students participated across India.
- Extensively learnt and used technologies such as NextJS (React/TypeScript), Django (Python), and GraphQL. Also helped the team with cloud deployments using AWS, Docker, Kubernetes, and Rancher.

## PROJECTS

**Ulsav - Event Management & Ticketing Platform**
120+ Events Ticketed | 1.5cr+ Payments Processed | 75k+ Live Check-Ins Done | Powering Conferences & Techfests since 2023 | Built with Django, React & GraphQL | ulsav.com

**Chaya UI - Open Source React UI Library**
40+ Accessible & Extensible UI Components | Typescript | Tailwind | Radix | chaya.traboda.com

**Verifycate - Certificate Generation Platform**
Seamless certificate generation and distribution | Made with NextJS, Typescript, Django & GraphQL | 20,000+ Certificates Issued | Used by InCTF, Vidyut, Team bi0s and more | verifycate.com

**SSR Connect - Social Initiatives Management Portal**
Fosters social responsibility among students | Platform facilitates project submission, review, and archival | Built with NextJS, Django (Python) and PostgreSQL | 711 projects showcased | ssrconnect.vercel.app

## VOLUNTEERING & ACTIVITIES

**bi0sCTF 2024:** Managed cloud infrastructure and CTF platform for bi0sCTF, one of the highest rated Capture The Flag (CTF) event globally, and ensured 100% uptime with load balancing and scaling using AWS and Kubernetes.

**G20 India - One World Summit (2023):** Developed the official website for the G20 One World Summit, detailing agendas, speakers, and event logistics. The conference featured renowned speakers including Vint Cerf and Paul Nemitz.

**Amrita Hospitals Faridabad (2022):** Developed a data ingestion system for the Hospital Management System at Asia's largest private multi-specialty hospital, and streamlined the import of extensive amounts of inventory, scheduling and billing data from spreadsheets to the HIS system.

**ShaktiCon (2023 & 2024):** Global conference for women in cyber security. As part of the organizing committee, I helped design presentations, posters & website.

## SKILLS

**Full Stack Web Development:** HTML, CSS, Javascript, jQuery, React, NextJS, Typescript, Tailwind, Gatsby Node.js, Python, Django, Flask, PostgreSQL, MongoDB, Redis, RESTful API, GraphQL

**DevOps:** Docker, Kubernetes, AWS, Azure, GitHub-Actions, CI/CD, Terraform, Ansible, Nginx, Apache

**Tools:** Git, GitHub, Gitlab, Unix Shell, VS Code, JetBrains, Postman, Rancher, Figma, Miro, Powerpoint

**Soft Skills:** Team Building, Compassion, Problem-Solving, Critical Thinking, Communication, Attention to Detail