

PARTH DALI

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EDUCATION

INDIANA UNIVERSITY BLOOMINGTON

Aug 2023 - May 2025

Master of Science, Computer Science; GPA: 3.6/4.0

Relevant Coursework: Computer Networks; Distributed Systems; Data structures & Algorithms; Machine Learning

UNIVERSITY OF MUMBAI

Aug 2019 - May 2023

Bachelor of Engineering, Information Technology; GPA: 3.8/4.0

WORK EXPERIENCE

KBR INC. Stack: C++, ROS, Gazebo, Agile methodologies

Jun 2024 – Aug 2024

Software Engineer & Robotics Intern

- Integrated radar sensors onto UAV using ROS, outperforming previous systems by 20% in precision and reliability, which revamped the data collection method.
- Conducted an in-depth analysis of existing processing workflows; integrated ray-tracing techniques to increase processing capacity, resulting in a 3-hour decrease in data processing time.
- Elevated Jira by taking charge of 4 user stories each sprint; enhanced project visibility and communication among the team, leading to the accomplishment of project deadlines.

KUBIXSQUARE Stack: React, CSS, Bootstrap, Figma, Git

Aug 2021 – Oct 2021

Front-End Developer Intern

- Developed a real-time React dashboard to analyze cryptocurrency trends, achieving a 10% boost in data accuracy, and user performance providing reliable real-time insights.
- Led a 4-person team, productively delivering new features by collaborating closely, which promoted user engagement.

COINMARKETLIVE Stack: WordPress, Heroku, PHP, SEO plugins

May 2021 – Aug 2021

Full-Stack Developer Intern

- Created a WordPress-based website with real-time market data, attracting 8K monthly visitors by optimizing the development process and enhancing user experience.
- Integrated plugins and REST APIs to streamline back-end connectivity, improving the website's performance and delivering timely updates to users, which accelerated user interaction and satisfaction.

PROJECTS

MOVIE BOOKING SYSTEM Stack: MongoDB, React, NodeJS, Stripe gateway, Jira

- Led a 5-member team, managing 13-week sprints, conducting Scrum meetings, & delivering key milestones.
- Designed an interactive Admin Dashboard featuring data visualization tools; facilitated management of bookings & payments for 3 different users; incorporating real-time updates.

TURF BOOKING WEBSITE Stack: Django (Python), Html, CSS, PostgreSQL

- Increased monthly bookings by 10% by designing and launching a user-friendly website for turf reservations, resulting in a seamless booking experience for users.
- Established a new automated email verification framework that simplified user identity checks, increasing efficiency for processing over 20 transactions weekly; resulting in payment gateway reliability.

ACTIVITIES & EXTRA CURRICULAR

Teaching Assistant for Undergraduate Courses (INFO I494, I495, I211)

Aug 2023 – Present

- Guided 210+ students on Capstone Project; debugged programming issues & provided actionable feedback.

Google Cloud Ready Facilitator Program

Apr 2022 – Jul 2022

- Collaborated with developers for 12 weeks, and provided feedback that helped integrate user-requested features.

Team RAW (University Robotics Team) Lead Programmer

Aug 2020 – May 2022

- Ranked 11th in India; Organized a workshop for 250+ students on Arduino; Led & revamped the club's website.

ADDITIONAL

Technical Skills: Java, Python, JavaScript, React.js, NodeJS, MongoDB, SQL, AWS; Familiar with CI/CD pipelines

Certifications & Training: IBM Data Science Specialization (Coursera), Web Development Bootcamp (Udemy)