PARTH DALI

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EDUCATION

INDIANA UNIVERSITY BLOOMINGTON   Aug 2023 - May 2025
Master of Science, Computer Science; GPA: 3.7/4.0
Relevant Coursework: Software Engineering, Data Structures & Algorithms, Web Development, Cloud Computing

UNIVERSITY OF MUMBAI   Aug 2019 - May 2023
Bachelor of Engineering, Information Technology; GPA: 3.8/4.0

WORK EXPERIENCE

KBR INC. Stack: C++, ROS, Python, Jira, Linux, Agile   Jun 2024 – Aug 2024
Software Engineer & Robotics Intern
- Integrated radar sensors onto UAV using ROS & deployed automation solutions, outperforming previous systems by 20% in precision and reliability, which revamped the data collection method.
- Analyzed software workflows, introduced ray-tracing techniques to boost processing capacity, resulting in a 3-hour reduction in data processing time.
- Participated in code reviews & collaborated on multiple sprints using Agile methodologies, completing 4+ user stories.

CISCO Stack: Figma, Miro, Google Workspace, Webex   Feb 2024 – May 2024
Product Designer (University Collaboration)
- Designed interactive prototypes in Figma to illustrate network security solutions informed by user research & analysis.
- Developed a conceptual framework projected to reduce troubleshooting time by 40%, integrating pre-existing policies, activity logs, and AI-driven recommendations.
- Proposed a system to enhance AI reliability by 30%, focusing on real-time monitoring, dataset integration, and customizable models for dynamic security needs.

KUBIXSQUARE Stack: React, CSS, Bootstrap, Git   Aug 2021 – Oct 2021
Front-End Developer Intern
- Built a user-friendly dashboard using React for real-time cryptocurrency analysis, optimizing data visualization & enhancing user interaction by 15%.
- Integrated RESTful APIs, to streamline back-end connectivity, improving the website's performance,& user interaction.
- Led a 4-person team, productively delivering new features by collaborating closely, which promoted user engagement.

PROJECTS

MOVIE BOOKING SYSTEM Stack: MongoDB, React, NodeJS, JavaScript, SDLC
- Led the development of a movie booking platform using React and Node.js, incorporating MongoDb for faster data retrieval & implemented secure payment handling using Stripe API.
- Engaged in agile development across 13 sprints; Developed, tested, and deployed API endpoints to handle real-time bookings.

TURF BOOKING WEBSITE Stack: Django (Python), Html, CSS, PostgreSQL
- Developed a scalable Django-based application & PostgreSQL, improving booking efficiency by 10% through real-time updates and enhanced data management.
- Implemented an automated email verification system, reducing manual verification time by 30% and improving overall user trust.

ACTIVITIES & EXTRACURRICULAR

Teaching Assistant for Undergraduate Courses (INFO I494, I495, I211)   Aug 2023 – Present
- Guided 210+ students on Capstone Project; debugged issues in PHP; simplified concepts & gave actionable feedback.

Team RAW (University Robotics Team) Lead Programmer   Aug 2020 – May 2022
- Led the robotics team to 11th place in India, organizing workshops for 250+ students on Arduino programming.

ADDITIONAL

Technical Skills: C++, Java, Python, React, JavaScript, Node.js, SQL, MySQL, MongoDB, Git, AWS
Concepts: OOP, Agile methodology, CI/CD, SDLC, Linux, Debugging