

PARTH DALI

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EDUCATION

INDIANA UNIVERSITY

Master of Science in Computer Science; GPA: 3.7/4.0

Aug 2023 - May 2025

Bloomington, IN

Mumbai UNIVERSITY

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

Aug 2019 - May 2023

Mumbai, India

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, TypeScript, PHP

Frameworks and Databases: React, Node.js, Express.js, MongoDB, MySQL, Postgres

Developer Tools: Git, Agile, Jira, VSCode, SDLC, Linux

WORK EXPERIENCE

Software Engineer Intern

Jun 2024 – Aug 2024

KBR Inc.

Houston, Tx

- Automated Linux-based robotic system configuration workflows using Python and Bash, increasing system reliability by 20% and reducing manual setup errors.
- Designed and implemented custom ray-tracing algorithms to optimize sensor data processing pipelines, cutting processing time by 3+ hours per dataset.
- Adapted to KBR's agile development style by creating 4+ Jira stories per sprint, demoing completed features and functionalities in bi-weekly retrospectives, and providing progress updates in daily standups.
- Stack: Python, C++, ROS, Linux, Jira, Agile

Software Engineer

Aug 2021 – Oct 2022

KubixSquare

Mumbai, IN

- Collaborated closely with clients and a small development team to develop custom websites to fulfill client needs.
- Developed a React-based cryptocurrency analytics dashboard, integrating ASP.NET Web APIs to deliver real-time market data and boosting platform interactivity by 15%.
- Defined a new SQL schema for storing said parameters and coded new RESTful API calls using Node.js, enabling admin users to create, read, update, and delete parameter data from the database.
- Stack: React, TypeScript, Redux, Node.js, Bootstrap, ASP.NET, JavaScript

Full-Stack Developer

Jan 2021 – Aug 2021

CoinMarketLive

Remote

- Scaled platform traffic to 8K+ monthly users by developing a custom React frontend integrated with a PHP backend on Heroku, improving platform performance and load handling.
- Enhanced platform security by implementing SSL encryption and secure API communication, protecting sensitive user data and increasing trust.
- Achieved a 20% growth in organic traffic by aligning feature development with SEO-driven strategies, partnering with marketing and analytics teams to improve discoverability.
- Stack: React, PHP, Heroku, MySQL, SSL

PROJECTS

MOVIE BOOKING SYSTEM | React, Redux, Node.js, Express.js, MongoDB, Stripe API | [View Project](#)

Dec 2023

- Built and deployed a movie booking platform where users can register, search for movies, select showtimes, and securely purchase tickets through an intuitive UI with real-time payment processing via Stripe.
- Implemented user authentication, real-time availability, & email confirmations to enhance reliability and user experience.

SurfTheTurf | Django, PostGRE, Bootstrap, HTML, CSS, JavaScript, Razorpay API | [View Project](#)

Aug 2021

- Built a web-based turf booking platform where users can browse, reserve, and manage turf bookings via a responsive, mobile-friendly interface.
- Implemented automated email verification and booking confirmations, streamlining user onboarding and supporting 15+ transactions per week.

EXTRACURRICULAR ACTIVITIES

- Lead Teaching Assistant, Informatics:** Provided PHP debugging and project support to 200+ students over 2 years.
- Lead Programmer, Robotics Club:** Led robotics team to 11th in India; organized Arduino workshops for 250+ students.