PARTH DALI

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EDUCATION

INDIANA UNIVERSITY BLOOMINGTON   **Aug 2023 - May 2025**
Master of Science in Computer Science; GPA: 3.7/4.0   *Bloomington, IN*

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, TypeScript, PHP
Frameworks and Databases: React, Node.js, Express.js, MongoDB, MySQL, Postgres
AI & ML: OpenCV, YOLO, Kaggle, Claude, Replit
Developer Tools: Git, Agile, Jira, VSCode, SDLC, Linux

WORK EXPERIENCE

Data Analyst Intern   **May 2025 – Present**
Konnex.Ai   *Bloomington, IN*
- Built an AI-powered pipeline to detect static and hazardous objects in live video streams, rethinking how motion-based triggers enhance safety.
- Applied ML model evaluation (YOLOv5) to improve detection accuracy in complex environments with occlusion & object similarity.
- Developed a Flask-based web prototype to serve models for real-time testing and integration with project workflows.
- Stack: Python, OpenCV, YOLOv5, Claude, Flask, GitHub, Kaggle

Software Engineer Intern   **Jun 2024 – Aug 2024**
KBR Inc.   *Houston, Tx*
- Automated Linux-based system configuration workflows using Python and Bash, increasing system reliability by 20% and reducing manual setup errors.
- 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

Full-Stack 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 Intern   **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 features with SEO-driven strategies, partnering with marketing team.
- 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 with mobile-friendly design and automated booking confirmations, handling 15+ weekly reservations.

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.