

# Parth Dali

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## EDUCATION

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**Master of Science**, Computer Science

Indiana University Bloomington

*Aug 2023 - May 2025*

**Bachelor of Engineering**, Information Technology

University of Mumbai

*Aug 2019 - May 2023*

GPA: 9.3/10

## EXPERIENCE

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**Virtual Developer Program**, Accenture

*Dec 2021 - Jan 2022*

- Engaged in a virtual program by Accenture to learn about designing user interfaces and streamlining user flow.
- Completed practical tasks to design changes to existing architecture, scale on-premise system infrastructure to the cloud, and learn about User acceptance testing (UAT).
- Acquainted with software development lifecycle (SDLC), refactoring data, & understanding code-base.

**Front-end developer Intern**, KubixSquare

*Jul 2021 - Sep 2021*

- Conceptualized & developed the Dashboard user interface (UI) for a cryptocurrency-based website using HTML, CSS, Bootstrap, and JavaScript.
- Led the development, collaborated over git, code reviewed, and checked in regularly for weekly reports.
- Ensured responsiveness, and a user-friendly interface, and added 5 unique design features.

**Full-stack developer Intern**, CoinMarketLive

*May 2021 - Aug 2021*

- Devised a Cryptocurrency website in WordPress to demonstrate real-time value and communicate crypto market information, resulting in 200K visitors throughout a month.
- Proposed and created an engaging layout with easy navigation for users, contributing to the increase in traffic by 10%.
- Integrated Bitcoin plugins and hosted a website on Heroku, with a daily average of 25K new users.

## PROJECTS

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**Autonomous vehicle simulation**

- Simulated and created several environment scenarios to carry out autonomous vehicle functionalities utilizing Webots software.
- Defined and implemented a recursive neural network (RNN) combined with an A\* search algorithm resulting in a 40% reduction in collision incidents and increased road safety simulations.

**Medical Insurance cost recommendation**

- An ML model to recommend insurance rates based on various attributes; Streamlined multiple Linear regression to recommend insurance cost with 80% accuracy.
- Performed data cleaning, and performance evaluation of the model, & implemented the backend using Flask framework.

**Turf booking website (SurfTheTurf)**

- Designed a website that allows users to book nearby Turfs (Synthetic grass-grounds) efficiently and have a hassle-free experience.
- Managed a 5-person team to design, create, and host the website.
- Enabled email verification, real-time slot booking using Django with PostgreSQL & integration of the Razorpay payment system was prepared.

## SKILLS

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**Technical/ Programming Languages:** Java, Python, JavaScript, React, MySQL, MongoDB, Django, NodeJS.

**Other:** DataStructures, Algorithm design and analysis, OpenCV, Github, AWS.

**Certifications & Courses:** IBM Data Science Specialization, Web Development Bootcamp

## ACHIEVEMENTS & EXTRA CURRICULAR

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**Google Cloud ready facilitator program**

*Apr 2022 - Jul 2022*

- Shortlisted for the cloud program to collaborate with Indian developers using Google's cloud platform.
- Contributed to Google Cloud's ongoing success by optimizing Application development; Offered valuable insights and feedback on platform and tool usage during the program.

**Team RAW (College Robotics Team)**

*Aug 2020 - May 2022*

- Successfully integrated locomotion and pneumatic controls into robotic systems, achieving a remarkable rank of AIR-10 in a National-level robotics competition.
- Organized a workshop for 150+ students & talked about the practical application of Microcontrollers, Arduino, Sensors, and communication devices.

**RedDot Foundation (Volunteer)**

*Jan 2022 - Feb 2022*

- Volunteered for the Safecity team to help with crowd-mapping of 50+ personal stories on sexual harassment in public spaces.