

Darshan Goswami

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Education

Purdue University, Indianapolis

Master of Science in Computer & Information Science GPA: 3.88

Indianapolis, IN

08/2023 - 05/2025 (Expected)

University of Mumbai

Bachelor of Science in Computer Science GPA: 9.11/10

Mumbai, India

06/2019 - 05/2022

Experience

Microsoft Student Outreach Ambassador

Indiana University, Indianapolis

10/2023 - 04/2024

- Promoted Microsoft products and simulators through social media, events, and outreach.
- Assembled and configured tools (e.g., 3D printers, Mixed Reality devices), contributing to a 20% increase in event participation.

Web Developer/Designer

Self-Employed

07/2019 - 07/2023

- Developed scalable web and backend applications using React, Node.js, and Python to solve complex customer-specific business problems.
- Optimized frontend performance, reducing load times by 30%, ensuring a responsive UX in browser-based applications.
- Integrated REST APIs and worked with AWS infrastructure, optimizing application performance by 25%.

Front-End Developer

Cogniverse Labs

10/2016 - 07/2019

- Developed and maintained high-performance web and backend applications using React, Node.js, and Python, ensuring efficient data flows through REST APIs and Docker containerization with test-driven development.
- Led the implementation of scalable infrastructure solutions using AWS, resulting in a 40% improvement in load times for e-commerce platforms.
- Collaborated in agile teams using SCRUM, contributing to system flow diagrams, testing, and deployment pipelines, and actively participating in code reviews and daily standups.
- Applied test-driven development, created unit tests, and ensured code reliability, maintainability, and scalability.

Front-End Developer Intern

Social Seety

05/2016 - 09/2016

- Developed and optimized high-performance web applications, leveraging debugging techniques to enhance scalability.
- Gained experience automating manual test cases, reducing manual QA effort by 30%.
- Collaborated within a team of 5 to select appropriate technologies and independently managed databases, reducing downtime by 15%.

Projects

Shufflefy | Python, Flask, React, Vite, Spotify API

08/2024

- Developed a web application that enhances Spotify experience with improved playlist shuffling capabilities.
- Implemented backend using **Python** and **Flask**, frontend with **React** and **Vite**; features include creating shuffled playlists, remote queue shuffling, and **OAuth 2.0**.

Car Parking Counter | Python, NumPy, Pickle, Cv2, CvZone

04/2022

- Engineered a system to provide an accurate and efficient parking space count/detection.
- Integrated **Cv2** to capture live video stream from CCTV cameras and **CvZone** to run image processing functions.

COVID-19 Tracker | React, Material UI, LeafletJS, ChartJS

10/2021

- Designed and developed a web application to track COVID-19 cases worldwide and country-wise.
- Used **Disease.sh** to fetch live COVID-19 data and integrated **LeafletJS** to display the statistics in multiple formats.

Skills

Programming & Scripting: Python, JavaScript, TypeScript, HTML, CSS, PHP, Java, C, C++, SQL, R, JQuery, LaTeX

Databases: MySQL, MongoDB, PostgreSQL, SQLite, Oracle Database, Microsoft SQL Server, Firebase

Frameworks & Technologies: React, React Native, Redux, Node.js, Express.js, Flask, LangChain, Bootstrap, Tailwind

Other: REST, Linux/Unix, Docker, AWS, Git, Unit Testing, OOP, DevOps, CI/CD, Kubernetes, Excel, Tableau

Relevant Coursework: Object-Oriented Design and Programming, Advanced Operating Systems, Data Science, Software Quality Assurance, Computer Vision, Data Structures, Fundamentals of Algorithms, Computer Networks, Artificial Intelligence