

# DARSHAN KIRAN UGALE

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## EDUCATION

<b>Master of Science in Computer Science</b> <i>Indiana University, Bloomington</i>	Aug 2024 - May 2026
<b>Coursework</b> <i>Software Engineering, Applied Algorithms, Computer Networks</i>	
<b>Bachelor of Engineering in Computer Engineering</b> <i>KBT College of Engineering - SPPU</i>	Aug 2021 - Jul 2024
<b>Diploma in Computer Technology</b> <i>K. K. Wagh Polytechnic - MSBTE</i>	Aug 2018 - Jul 2021

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, Kotlin, SQL, JavaScript, HTML, CSS, SQL, Dart, PHP  
**Frameworks:** React.js, Angular.js, Node.js, Express.js, WordPress, Django, Flask, MVC  
**Developer Tools:** Docker, Figma, VS Code, Visual Studio, Android Studio, Flutter, Git, Eclipse  
**Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn, OpenCV, Keras, TensorFlow  
**Databases:** MySQL, NoSQL, MongoDB, Firebase

## EXPERIENCE

<b>Software Developer Intern   React.js, Node.js, MySQL, JavaScript, CSS, Figma</b> <i>Castle Advanced Technologies and Systems pvt ltd. (CATS-GLOBAL)</i>	Feb 2023 - Aug 2023 <i>Nashik, India</i>
<ul style="list-style-type: none"><li>Led a real-time Asset Management project, designing responsive front-end interfaces in Figma and developing a web application, which enhanced user experience and streamlined asset tracking processes for the company. Implemented SQL queries for structured data storage and optimized database performance for faster retrieval.</li><li>Conducted thorough debugging and code reviews to identify potential risks associated with new features, presenting strategic insights during board meetings; this initiative minimized downtime occurrences by eliminating two major vulnerabilities from production systems before launch.</li><li>Performed extensive debugging and performance optimization on the company's website, identifying and rectifying flaws that improved page load times from 5 seconds to 3.5 seconds and increased monthly active users.</li></ul>	

## PROJECTS

<b>Inter Departmental Supply Chain Management   HTML, CSS, JavaScript, Microsoft-PowerBI, Python</b>
<ul style="list-style-type: none"><li>Established a centralized dashboard enabling over eight departments to input real-time metrics continuously, which streamlined workflows and improved visibility into project statuses across the organization.</li><li>Developed an interactive data visualization tool delivering real-time insights for departmental leaders, enhancing project timeline predictions with a 90% accuracy rate while seamlessly supporting key decision-making processes across teams.</li></ul>
<b>Zwitter: A Social Media Platform   MERN, AWS Amplify, Linode Linux Server</b>
<ul style="list-style-type: none"><li>Spearheaded full stack development for Zwitter within the MERN framework, enhancing system performance for an estimated 500 users with no latency during peak traffic.</li><li>Implemented robust user authentication, seamless registration, post creation, and efficient friend management to support a smooth user experience.</li><li>Deployed the frontend on AWS Amplify for a responsive UI and hosted the backend on a Linode Linux server, ensuring optimal performance and scalability.</li></ul>
<b>Face Emotion Detection   HTML, CSS, JavaScript, MySQL, Flask, ReactJs, Python</b>
<ul style="list-style-type: none"><li>Developed a facial emotion detection system using Python, Flask, and deep learning; achieved 45% accuracy and optimized system performance by 20%. Analyzed 500+ facial expression samples, improving predictive models and increasing user engagement during testing.</li><li>Built a real-time facial expression analysis app with React.js and Flask, enhancing data processing speed by 30% while maintaining high accuracy through an efficient full-stack architecture.</li></ul>

## CERTIFICATIONS AND LICENSES

- Copyright "Inter Departmental Supply Chain Management", issued by Government of India.
- Fundamentals of Deep Learning(2024): Nvidia.
- Google Data Analytics(2023): Coursera.
- Python for Everybody(2020): Coursera.