

Chaitanya Chaudhari

Software Engineer

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Profile Summary

Master's student in Computer Science with expertise in software development, backend engineering, and cloud computing. Passionate about designing scalable and distributed systems, optimizing workflows through automation, and enhancing system performance. Proficient in Python, SQL, JavaScript, and cloud technologies, with a strong foundation in backend development, database management, and DevOps tools. Adept at working in fast-paced, high-impact environments with an analytical mindset and problem-solving skills.

Experience

Cognifront Software Pvt. Ltd (Nashik, India)

January 2023-February 2023

Web Development Intern

- Developed dynamic web functionalities using JavaScript to enhance seamless user interaction and applied PHP for efficient backend development and database management.
- Developed and managed relational databases using SQL to support web applications, ensuring efficient data storage and retrieval.
- Executed rigorous test cases with a 98% success rate, maintaining high system reliability and fault tolerance.
- Collaborated with cross-functional teams, implementing agile methodologies to reduce project delivery time by 20%.

The Sparks Foundation (Remote)

December 2022-January 2023

Data Science & Business Analytics Intern

- Developed and executed code to collect, clean, and analyze data from diverse internal and external sources, enhancing data quality and reliability.
- Designed and executed machine learning models with high accuracy, showcasing problem-solving and technical adaptability.
- Analyzed complex datasets using Python, presenting insights that supported data-driven decision-making processes.
- Collaborated with stakeholders to present actionable insights, improving data-driven decision-making.

Technical Skills

Programming Languages: Java, Python, C++, C, JavaScript, PHP

Cloud Computing: AWS, Google Cloud Platform

Data & Databases: SQL, MongoDB, REST APIs, JSON

Microservices & Architecture: Git, Docker, Kubernetes, Jenkins, CI/CD Pipelines

Software Development: Agile, SCRUM, Scalable System Design, Distributed Computing

Education

George Mason University, Fairfax, Virginia.

Expected May 2026

Master of Science, Computer Science

K. K. Wagh Institute of Engineering Education and Research, Nashik, India.

August 2020- May 2024

Bachelor of Engineering, Computer Engineering

Projects

Loopify:

- Developed a music app using React, Tailwind, Redux, and Rapid API, featuring a modern user interface and seamless music streaming experience.
- Integrated advanced features such as song search, lyrics display, and worldwide top charts to enhance user engagement and functionality, while developing modular and reusable code components aligned with best practices for scalable design.
- Implemented responsive design and optimized performance for a fully-fledged music player with song exploration and popular music around you.

Early-Stage Eye Disease (Anisocoria) Detection using Machine Learning: [Link](#)

- Implemented image processing techniques such as Hough transform and image binarization to effectively detect early-stage anisocoria.
- Led a multidisciplinary project to develop a machine learning-based eye disease detection system, achieving 85% accuracy through iterative improvements and cross-functional collaboration.
- Trained and tested machine learning algorithms to achieve an accuracy of 85% in detecting anisocoria, demonstrating effective model reliability.

Online Courses: AWS Academy Cloud Foundations, DevOps Foundation, C++ Spoken tutorial IIT Bombay.