

Dhanush Abhiram A

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EDUCATION

University Of Buffalo - SUNY

GPA: 3.94

Masters in data science and applications

Aug 2025

Relevant Courses: Statistical Data Mining, Database Management Systems, Probability Theory, Cybersecurity Privacy and Ethics, Machine Learning, Numerical Analysis, and Data-Driven Analysis.

SSN College Of Engineering

Chennai, India

Bachelor of Technology, Major in Computer Science

Jul 2021

Relevant Courses: Object Oriented Programming, Python, Data Structures, Operating Systems, Computer Testing. SSN Merit Scholarship, (\$1000 awarded for top 1% of program, 100% score in Math, Physics, and Chemistry)

PROFESSIONAL EXPERIENCE

Eitacies.INC

Santa Clara, CA

Intern, Python/Django Developer

May 2024 – Aug 2024

- Developed and deployed 10+ backend features using Django, resulting in a 25% improvement in portal load times and enhanced user experience.
- Created and optimized 15+ RESTful APIs, increasing data retrieval efficiency by 30%, leading to smoother interactions between patients and doctors.
- Implemented responsive front-end components using React.js, improving user interface and overall user experience.
- Crafted engaging visual components through innovative use of JavaScript; as most junior members on team, focused efforts resulted in enhanced interactivity that elevated site usability metrics across key performance indicators.

United Health groups (Optum)

Hyderabad, India

Full-time, Software Development Engineer

Feb 2022 – Aug 2023

- Designed a UI project facilitating virtual connections between doctors and patients in the OVC team. Pioneered new functionalities using React.js and addressed website accessibility needs.
- Identified and resolved bottlenecks arising from inefficient code, optimizing application performance and increasing system reliability by 15%.
- Developed highly scalable applications using Python/Django framework for backend and React.js for frontend, improving patient record management and data accessibility for healthcare professionals.
- Engineered efficient RESTful API solutions enabling smooth interactions among diverse healthcare software platforms directly. Increased the speed of information retrieval time from two minutes to under eight seconds.
- Automated the deployment process using Docker and Jenkins, reducing manual efforts by 30% and ensuring consistent environment setups for development and production.
- Orchestrated backend integration for a cross-functional team of 11 developers and testers, reducing feature deployment time by 20%, resulting in faster market delivery of key updates.

Food Hub

Chennai, India

Full-time, SDET

Aug 2021 – Feb 2022

- Automated scripts using Java to test product stability and upgraded new features for the customer-facing app. Spearheaded the integration of new features into the app, leveraging technical skills to enhance user experience.
- Authored comprehensive research and analytics, leveraging programming skills to improve data quality. Achieved a 25% boost in accuracy by incorporating diverse data points.

PROJECTS

Monitoring Covid-19 Prevention Measures on CCTV Cameras

- Applied Deep Learning, Data Analysis, and Image Processing to low-resolution CCTV data, achieving 90% compliance in distancing and 85% accuracy in mask detection.
- Conceptualized advanced statistical techniques and tools like YOLOv3, OpenCV, and Python, reaching 95% confidence in project data insights.

SKILLS & TOOLS

Python | Django | HTML5 | CSS3 | Angular | Azure | React | Unit Testing | RESTful APIs | PostgreSQL
| Git | Docker | Jenkins | Agile/Scrum | CI/CD | Java Script.