

DHANUSH ABHIRAM AKALAMKAM

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EDUCATION

University at Buffalo - SUNY

Aug 2023 - Dec 2024

Master's, Computer Science

GPA: 3.94

- Python, Database Management Systems, Probability Theory, Machine Learning and Data-Driven Analysis.

SSN COLLEGE OF ENGINEERING

Jul 2017 - Jul 2021

Bachelor's, Computer Science

GPA: 8

- SSN Merit Scholarship (\$1000 awarded for top 1% of program, 100% score in Math, Physics, and Chemistry)

PROFESSIONAL EXPERIENCE

Eitacies.INC

Santa Clara, CA, USA

Python Developer

May 2024 - Sep 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.
- Managed a PostgreSQL database with over 50,000 records, implementing indexing strategies that improved query performance by 40%.
- Scheduled 100+ API tests using Postman, identifying and resolving 20+ critical bugs, leading to a 15% increase in system reliability.

UnitedHealth Group

Hyderabad, Telangana, India

Software Engineer

Feb 2022 - Jul 2023

- Designed a UI project facilitating virtual connections between doctors and patients in the OVC team. Implemented new functionalities and addressed website accessibility needs.
- Increased sonar coverage to 92% and conducted unit testing using Jasmine and Karma. Gained hands-on experience with Angular, Java, HTML, CSS.
- Integrated RESTful APIs for seamless communication between the doctor-patient portal and third-party healthcare applications, enhancing system interoperability.
- Automated the deployment process using Docker and Jenkins, reducing manual efforts by 30% and ensuring consistent environment setups for development and production.
- Collaborated with a cross-functional team of 11 developers and testers, leading backend integration efforts, which streamlined the development process and reduced feature deployment time by 20%

Foodhub

Chennai, Tamil Nadu, India

Automation Test Engineer

Aug 2021 - Feb 2022

- Automated scripts using Java to test product stability and implemented new features for the customer-facing app. Spearheaded the integration of new features into the app, applying technical skills to enhance the overall user experience.
- Conducted 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

Chennai, TN, India

- 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

- Skills:** Python, Django, Java, MySQL, Postgres, MongoDB, Kubernetes, HTML/CSS, AWS, REST APIs, Postman, Docker, Jenkins, Agile, JavaScript, Linux/Unix, SQL, Software Testing, GIT, React.js