

Dilip Kumar Thirukonda Chandrasekaran

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science, Artificial Intelligence Track

Expected May 2027

Cumulative GPA: 3.67/4.00

Relevant Coursework: Programming Language, Data Structures and Algorithms, Data Mining, Database Systems

KLN College of Engineering, Tamil Nadu, India

Bachelor of Engineering in Electronics and Communication Engineering

May 2019

Relevant Coursework: Object-Oriented Programming, Computer Networks

TECHNICAL SKILLS

Languages: Java, Python, Kotlin, Swift, C, JavaScript, PHP, Shell Script

Software: Android Studio, Xcode, Gradle, Appium, Docker, GitHub, Linux/Unix, VS Code, Jupyter Notebook

Tools: Appium, Selenium, Espresso, Kaspreso, XCTest, React, MongoDB, MySQL, Firebase, Vercel, TensorFlow, AWS

PROFESSIONAL EXPERIENCE

Zoho Corporation, Senior Automation Engineer | Chennai, India

January 2020 – July 2025

Tech Stack: Android SDK, Gradle, Espresso, Appium, Selenium, XCTest, Kaspreso, React.js, MongoDB, Docker, HTML, CSS, JavaScript, PHP, Shell Script, MySQL

- Architected a custom Android Automation SDK from scratch featuring advanced safety and precision testing protocols, establishing the core framework currently utilized by the entire automation team
- Authored and systematized over 50,000 UI and E2E cases and numerous Unit cases for Android, iOS, and Web platforms
- Developed a complete automation environment consisting of custom mobile apps and website interfaces, providing the necessary infrastructure for developers and managers to execute runs and analyze results

PROJECT EXPERIENCE

Gym Sync, Independent Project

December 2025

Tech Stack: React, TypeScript, Tailwind CSS, Firebase, Vercel

- Engineered a dynamic recommendation engine that analyzes user images and objectives to generate personalized workout schedules, automatically adjusting exercise types and volume for individual body needs
- Streamlined deployments via Vercel and Firebase, ensuring automated releases, authentication, and real-time synchronization

Test-Lab, Team Lead & Co-Developer

September 2024 – July 2025

Tech Stack: React, MongoDB, Shell Scripting, Android Emulator, Docker, REST APIs

- Directed the full lifecycle of a cloud-based testing infrastructure to validate application performance, organizing distinct teams across UI design, script writing, and database management from ideation to deployment
- Devised a custom Mobile Farm site from scratch to host both virtual and real devices, enabling the execution of automation and manual testing cycles

3D Printer & Scanner, Team Project

January 2019 – February 2019

Tech Stack: 3D CAD Software, IoT Sensors, Microcontroller Programming

- Fabricated a customized 3D printer and scanner using microcontrollers to scan physical inputs and produce precise 3D models
- Secured a top ranking in a NIT competition, recognized for innovative design and technical implementation

Earthworm - Plant and Disease Detection System, Team Project

September 2018

Tech Stack: Python, TensorFlow, Inception V3, Computer Vision

- Developed an AI diagnostic tool using Inception V3 to detect plant pathologies from leaf imagery
- Attained 95% accuracy across 17 disease categories by training the model on diverse datasets

LEADERSHIP EXPERIENCE

Jambav Zoho Corporation, Android Department Head

January 2023 – July 2025

- Led a team of 10 engineers, driving task assignment, performance evaluation, and continuous feedback while organizing work into sub-projects to guarantee timely and successful delivery
- Mentored and developed engineers in Android development, automation, and programming best practices, consistently improving team performance, technical depth, and project outcomes

Zoho Calendar, Automation Lead

January 2024 – July 2025

- Managed the quality assurance lifecycle for Android, iOS, and Web platforms to secure zero-defect production releases through rigorous automation and manual testing
- Supervised task allocation and performance evaluations, providing critical feedback to strengthen team capabilities and optimize project workflows