

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	
<i>Master of Science in Computer Science, Artificial Intelligence Track</i>	<i>Expected May 2027</i>
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	
<i>Bachelor of Engineering in Electronics and Communication Engineering</i>	<i>May 2019</i>
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, Kaspresso, XCTest, React, MongoDB, MySQL, Firebase, Vercel, TensorFlow, AWS

PROFESSIONAL EXPERIENCE

Zoho Corporation, Senior Automation Engineer Chennai, India	<i>January 2020 – July 2025</i>
<i>Tech Stack: Android SDK, Gradle, Espresso, Appium, Selenium, XCTest, Kaspresso, React.js, MongoDB, Docker, HTML, CSS, JavaScript, PHP, Shell Script, MySQL</i>	
<ul style="list-style-type: none">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 teamAuthored and systematized over 50,000 UI and E2E cases and numerous Unit cases for Android, iOS, and Web platformsDeveloped 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	<i>December 2025</i>
<i>Tech Stack: React, TypeScript, Tailwind CSS, Firebase, Vercel</i>	
<ul style="list-style-type: none">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 needsStreamlined deployments via Vercel and Firebase, ensuring automated releases, authentication, and real-time synchronization	
Test-Lab, Team Lead & Co-Developer	<i>September 2024 – July 2025</i>
<i>Tech Stack: React, MongoDB, Shell Scripting, Android Emulator, Docker, REST APIs</i>	
<ul style="list-style-type: none">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 deploymentDevised 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	<i>January 2019 – February 2019</i>
<i>Tech Stack: 3D CAD Software, IoT Sensors, Microcontroller Programming</i>	
<ul style="list-style-type: none">Fabricated a customized 3D printer and scanner using microcontrollers to scan physical inputs and produce precise 3D modelsSecured a top ranking in a NIT competition, recognized for innovative design and technical implementation	

LEADERSHIP EXPERIENCE

Jambav Zoho Corporation, Android Department Head	<i>January 2023 – July 2025</i>
<ul style="list-style-type: none">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 deliveryMentored and developed engineers in Android development, automation, and programming best practices, consistently improving team performance, technical depth, and project outcomes	
Zoho Calendar, Automation Lead	<i>January 2024 – July 2025</i>
<ul style="list-style-type: none">Managed the quality assurance lifecycle for Android, iOS, and Web platforms to secure zero-defect production releases through rigorous automation and manual testingSupervised task allocation and performance evaluations, providing critical feedback to strengthen team capabilities and optimize project workflows	