

# Vicky Thavasuperumal Das

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## Skills:

Programming Languages : JavaScript, JAVA, Kotlin, Python, C++, C#, VB.Net, TypeScript  
Tools : Android Studio, VS Code, Git, UiPath, NetBeans, AWS, Azure  
DBMS Packages : SQL, MySQL, LINQ, Sqlite3, Firebase Real Time Database, Mongo DB  
Operating Systems : Linux, Unix, Windows 7, 10, 11, Mac OS  
Software Technologies : Android SDK, React, Node.js, HTML, CSS  
Certifications : UiPath's Advanced RPA Developer, Automation Anywhere

## Education Qualification:

Master's in **Information Technology & Management (4.0 GPA)** Expected May 2024  
Illinois Institute of Technology, Chicago, Illinois  
Master of Science in **Information Technology** Awarded June 2021  
Vinayak Ganesh Vaze College (Autonomous Institute Affiliated to University of Mumbai)  
Bachelor of Science in **Information Technology** Awarded June 2017  
Pillai College of Arts, Commerce & Science (Affiliated to University of Mumbai)

## Professional Experience:

### **Graduate Teaching Assistant at Illinois Institute of Technology, USA (August 2023 – December 2023)**

- Spearheaded a curriculum redesign project, leading to a **30% decrease** in student **dropout** rates.
- Launched a successful student mentorship program, yielding a **25% boost** in **academic performance**
- Innovated an inclusive online platform for coursework discussions, KT and project collaboration.

### **Senior Software Engineer at Predoole Analytics Pvt Ltd, India (November 2018 – July 2022)**

- Full-Stack Software Developer (**React.js & Node.js**) & Robotic Process Automation (**UiPath**)
  - Managed & mentored a cohesive team, leading to exceptional levels of **client satisfaction**.
  - Collaborated on **backend integration** for seamless API communication in **React Native** apps.
  - Developed scalable **RESTful API's**, improving API response time by **20%** and enabling seamless data retrieval and manipulation. (Using Node.js, MongoDB, and Express)
  - Created automated testing and **CI/CD** pipelines for React and Node.js, ensuring **error-free** releases.
  - Created **responsive** applications by collaborating with UI/UX team, ensuring exceptional user experiences.
  - Automated end-to-end tasks by integrating RPA with web technologies, **reducing paperwork by 98%**.
  - Increased website performance by **30%** by implementing load-balancing with **Nginx**, allowing **NodeJS** instances to handle **5000+ concurrent users**.
  - Collaborated with stakeholders to **gather requirements** and deliver robust React.js and Node.js solutions.
  - Implemented RPA solutions using **UiPath** best practices, ensuring timely project delivery.
  - For a client, **70%** of all **repetitive tasks** inside the organization were **eliminated** using **UiPath**.

## Projects:

### **Reddit Video Generator App (Personal Project): <https://github.com/vickda/Reddit-Video-Generator>**

Created a **Node.js** app that generates videos by scraping multiple subreddit posts through Reddit's **API**, capturing screenshots with **Playwright**, generating audio with **Say.js**, and merging everything with **ffmpeg** to produce videos optimized for both mobile and desktop.

### **Expense Calculator Android App (Academic Project): <https://github.com/vickda/expensecalculator>**

Developed a **Java-based Android** app with **Firebase** for user authentication, **SQLite3** for data storage, and advanced features like dynamic report generation and targeted advertising for enhanced user engagement.

### **Insurance Agent Dashboard (Client Project):**

Created a Dashboard via **React & Node.js** for insurance agents. This dashboard also had a form for their potential customers. This data was pushed into a **SQL** database. Once pushed, an **RPA bot** would be triggered to fill the form data into their CRM.

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