

Lakshmanan Meiyappan

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EXPERIENCE

[Breathe Chicago Center](#) -University of Illinois at Chicago.

Graduate Research Assistant, Full-Stack Software Developer

Jun 2021 – Present

- **Built HIPAA Compliant Software Solutions** and infrastructure for 17+ ongoing Healthcare research studies.
- Designed a software portal to manage many research studies from a single place. Implemented role-based authorization system for Project Managers, Coordinators, Data administrators, and technicians.
- Built **tools to automate data pipelines**, redundant manual tasks, and exporting reports. Set up appointment booking systems, approval workflow, and customizable dashboard.
- **Cleaned and Engineered healthcare data**. Analysed data from different research projects and created reports and data visualizations.
- Worked alongside stakeholders like doctors, researchers, and data scientists in a fast-paced environment.

[ManageEngine, Zoho Corporation](#) – Chennai, India

Member of Technical Staff, Full Stack Software Engineer

Jan 2018 – Jan 2020

- Co-developed [ADManager Plus](#) - Active Directory reporting and management software. As the Product Release-Owner, I've coordinated and released 3 versions of ADManager Plus and one version of Log360.
- Revamped the user interface of ADManager Plus to Ember.js from JSP, and increased performance by 20x.
- Researched Microsoft Replication monitoring tool and developed core library for active directory replication status monitoring and error resolution.
- Assisted product support team and helped resolve over 200+ customer issues. Point of Contact for AD Replication, Auditing Features and Product Integrations.

PROJECTS

[OneStop](#) – Clinical Research Study Management Software

Jul 2021- Present

- Designed and Developed a Software Solution to manage multiple clinical research studies from one place. Streamlined and automated research workflow to save hours of manual work.
- Automates report generation, visualization, data cleaning and exporting. Creates data pipeline between different research tools and third-party apps like RedCap, EDC Platforms, Five9, WordPress, etc.

[TELL-Tool](#) – Digital Intervention Tool

Feb - Aug 2021

- Created an Intervention tool to assist parents disclose genetic origins of their donor conceived children. TELL-Tool research study is funded by National Institute of Health. It is listed in [ClinicalTrials.Gov-TELLTool](#).

[PyCalendly](#) – Open Source Python wrapper

Jul 2021

- Developed a Python library to quickly consume Calendly's API. Package available in PyPI as 'PyCalendly'. Package recorded over 100+ end user downloads within the first week of launch.

EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO – Chicago, USA

Jan 2021 - Dec 2022

Master of Science, Computer Science; GPA: 4.0/4.0

ANNA UNIVERSITY – Tamil Nadu, India

Aug 2014 - Mar 2018

Bachelor of Engineering, Computer Science Engineering; GPA: 8.59/10.0

SKILLS AND TOOLS

Technical: Python, C++, C, Java, JavaScript, SQL, PHP, Android.

Frameworks: Django, Django REST Framework, Flask, Struts, Ember JS, React JS

Tools: Git, Tensorflow, Keras, PostgreSQL, MySQL, RedCap, Sklearn, Pandas, Heroku, Netlify

ACCOMPLISHMENTS

- Elected as Student Senator for Budget and Planning Committee at the University of Illinois Chicago.
- Organized 3 TEDx College events. Served as Licensee and Head of TEDxBITSathy.
- Founded a Developers Community in India and helped over 800 students get acquainted with programming.