Yadhukrishnan Pankajakshan

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Education

Northeastern University   Sep 2023 - May 2025 (expected)
Master of Science in Computer Science   San Jose, California

Anna University   Aug 2017 - May 2021
Bachelor of Engineering in Computer Science and Engineering   Chennai, India

Skills

Programming: Javascript, Java, Python, C, C++, SQL, NoSQL, Typescript, Ruby, Kotlin, R
Frameworks: ReactJS, expressJS, Rails, Flask, Django, Spring
Development Tools: Visual Studio Code, IntelliJ
Testing and deployment: Sonarqube, Google Cloud Platform, Jenkins, Version control(Git)
Others: Microsoft Office, LaTeX

Relevant Coursework

* O-O Principles
* Data Structures
* Algorithms
* Database Management
* Operating Systems
* Software Engineering
* Computer Networks
* Mobile Computing
* Cloud Computing
* Internet Programming
* Human Computer Interaction

Work Experience

Software Development Engineer - Barclays   *ReactJS, ExpressJS, Jenkins, JCL*   Sep 2022 - Aug 2023
— Automated testing for external synchronization programs helping **save over $50,000 annually.**
— Worked on optimizing log retrieval for a devops application and achieved an **efficiency boost of 200%.**
— Developed a number of improvements for a DevOps application by **more than 1000 peers**.
— **Streamlined 10+ processes** using deployment pipelines for internal usage.

Graduate Analyst - Barclays   *COBOL, JCL, VSCode, Sonarqube*   Sep 2021 - Aug 2022
— Coded transaction marking algorithms that handles **over 10000 simultaneous users**.
— Created programs for formatting and correcting transaction files with **1000+ lines** passed to internal systems.
— Assisted in testing developer tools like Visual studio code and sonarqube for development and code coverage testing **helping coworkers across India** involved in mainframe development.

Software Development Intern - Tesark Technologies   *Ruby, Rails, Javascript*   Dec 2019 - Jan 2020
— Developed a **fully functional library system** as part of learning curve for Ruby on Rails as a framework.
— Worked on a feature for scheduling tasks for employees in an internal application.

Projects

Social Media Application   *ReactJS, Redux, MaterialUI, ExpressJS*   Jan 2020 - Mar 2020
* Built a functional social media application as part of learning React and Express frameworks.
* Integrated the application using a cloud backend by connecting the entire application to a firebase database.

Employability Rating System   *Python, flask, Linear Regression*   Sep 2020 - Dec 2020
* Created a simple front end for a file submission to submit resume. Used a trained (by myself) machine learning model to develop resume ratings and integrated to the flask front-end.

Blog Application   *Python, flask, SQLite3*   Oct 2019 - Nov 2019
* Created a simple blog application that allowed users to post blogs and other users to react and comment.
* Developed it using Python and Flask and integrated it to SQLite3 database.

Programming and Development

* codechef.com (kennyackerman)
* codeforces.com (sunboy99)
* codingame.com
* leetcode.com (yk_2310)
* coursera.com
* hackerrank.com (yk-2310)