

Loganathan Saravanan

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Summary

Aspiring Software Engineer and Computer Science Engineering student with strong foundations in Java, Data Structures, SQL, and Web Development. Experienced in building full-stack applications and solving real-world problems through academic and internship projects. Passionate about writing clean code, learning cloud technologies, and contributing to scalable software systems.

Technical Skills

Languages: C++, C, Java, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder

Databases: MYSQL

Education

R.M.K Engineering College, B.E in Computer Science Engineering

Sept 2023 – Jun 2027

- GPA: 6.88/10 (a link to somewhere)
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Experience

Software Engineer, Apple – Cupertino, CA

June 2005 – Aug 2007

- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

Business Analyst Intern, MSI Services Pvt.Ltd. – Bengaluru, Karnataka

June 2025 – July 2025

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from $\mathcal{O}(n^2)$ to $\mathcal{O}(n \log n)$
- Created a test case generation tool that creates random XML docs from XML Schema
- Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts

Projects

Multi-User Drawing Tool

github.com/name/repo

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar

github.com/name/repo

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System

2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C