SRI BALAJI.S

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Education

Mohamad Sathak A.J College of Engineering — Siruseri, Chennai
B. Tech Information Technology — October 2021 - October 2025
CGPA: 8.00

Santhome Higher Secondary School — Santhome, Chennai
Computer science HSE +2 — June 2020 - May 2021
Percentage: 76.6%

Santhome Higher Secondary School — Santhome, Chennai
State Board SSLC — June 2018 - March 2019
Percentage: 69.6%

Internships

Thermodyn-Edutech Pvt ltd | Web Developer Intern — Chennai | June 2023 - July 2023

Designed and developed a responsive Library Management interface using HTML, CSS, and JavaScript. Implemented pagination to display 10 books per page and added dynamic filtering by Title, Author, Subject, and Publish Date. Displayed real-time book counts based on selected filters for improved user experience.

NSIC | Mobile Application Developer — Ekkaduthangal ,Chennai | Jan 2025 - May 2025

Worked as an Android Developer Intern, developing mobile applications using Java and XML in Android Studio. Created responsive and user-friendly interfaces, and implemented key Android components like Navigation. Integrated Firebase for real-time database management and user authentication.

Skills

Programming Languages:	Java , C Programming
Web Technologies:	HTML, CSS, XML, Java Script, Xampp
Tools / Platforms:	GitHub, VS Code, AWS(Essentials), Android Studio
Databases:	SQL, Firebase

Projects

File Sharing Application | Easy Peasy — *React Js and Firebase*

Developed Easy Peasy, a secure and efficient file-sharing application, utilizing advanced data transfer mechanisms to enhance performance. Integrated Firebase Authentication to improve login efficiency and strengthen access control. Analyzed user interaction data to identify and implement UI/UX enhancements, resulting in a more intuitive user experience. Presented innovative file management and design features, receiving positive feedback from mentors and peers.

Automated Multi-Stage Assessment of Knee osteoarthritis — *Front-end,Python,CNN,Mobile VIT*

Developed an automated knee osteoarthritis severity assessment system leveraging MobileViT, which combines CNN and ViT for enhanced feature extraction. The system classifies OA severity into mild, moderate, and severe stages from X-ray images by analyzing key pathological features such as joint space narrowing and osteophyte formation. Incorporated feature-based segmentation using the watershed algorithm to localize affected areas, providing explainable and accurate diagnostics that support clinical decision-making.

Certificates

- Data Analytics for Python - **NPTEL Certification**
- Core Java Programing - **Smart Skills Technologies**
- Application Developer Android - **PMKVY**
- AWS Cloud Computing Architect - **IBM Developer Skill Network**
- PHP and MySQL, C and C++ - **Spoken-Tutorial by IIT Bombay**