

SHAN SHAJI

Full Stack Developer

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EDUCATION

BACHELOR OF ENGINEERING, Computer Science Engineering
Sri Krishna College of Engineering and Technology

QUALIFICATIONS

- **Certifications:**
 - Certified Full Stack Developer (Ruby on Rails, JavaScript) by DCT Academy, Bangalore
 - Certified Programmer (C, C++, HTML) by G-TEC, Kerala
 - CCNA (Cisco Certified Network Associate) – Pursuing
- **Programming:** Ruby, JavaScript, C, C++, Familiar with Java and C#
- **Scripting:** HTML, CSS
- **Frameworks & Libraries:** Ruby on Rails (RoR), React, Electron, Twitter Bootstrap, Semantic UI
- **Web services:** JSON, API, HTTParty, XHR object (AJAX)
- **Software tools:** Adobe Photoshop, Macromedia Flash, Tally, MATLAB, Postman, Git, GitHub, Sublime Text
- **Languages:** Fluent in Malayalam and Tamil

EXPERIENCE

- **Full Stack Developer, CYBRILLA**
 - Worked on Tetone, A call centre management app utilizing Data Analytics and Machine Learning
 - Worked with React, ROR, SQL and PERL for application development
 - <https://www.cybrilla.com>
- **Full Stack Developer, RubyKraft**
 - Worked on multiple projects with Ruby on Rails – 1-year & 3-months experience
 - Front End development using React – 1-year experience
 - Worked with Electron for desktop application development
 - <https://www.rubykraft.com>
- **ENGINEERING INTERN, Fitkids Education and Training Private Ltd**
 - Involved in the development of AI for children's online education
 - Helped to create the website user interface as well as front end coding
 - <http://www.fitkids.co.in>

PROJECTS

- **TETONE**
 - A Data analytic application empowered by Machine Learning, which helps to manage call centres
 - Used various charts for better representation of data - d3js, echarts, recharts
 - <https://coxv2.tetonone.com>
- **DCR**
 - An application built in Ruby on Rails and React, which eases up the work of theatre owners, producers and distributors by providing them a way to manage daily collection reports of a movie
 - Integrated Rail's Action Cable for real time features

- <http://dcr.hackodezo.com/>
- **Table Boy**
 - An easy to use react table with server-side pagination and server-side sorting
 - Plugin made with React for React
 - <https://www.npmjs.com/package/table-boy>
- **POS**
 - A desktop application built with Electron using web technologies (Ruby on Rail's API + React)
 - A Point of Sale app which helps to manage a theatre
- **Rent a Room**
 - A web application built in Ruby on Rails and pure JavaScript, which helps the user to book a room, provided by another user
 - Integrated API calling, AJAX and Bootstrap functionality to give a greater user experience.
 - Included Fat model and Skinny controller concept, throughout the application
- **E-commerce Application**
 - An E-Commerce application built in Ruby on Rails and JavaScript, which helps the user to buy products
 - Integrated API calling, AJAX and Bootstrap functionality to give a better user experience
- **Cotton Leaf Disease Detection**
 - Developed a software to detect various diseases found in cotton leaves using image processing to determine deviation from normal plant health conditions
 - Coding using MATLAB, database of diseases, implementation and testing of working software
- **Reversible Data Hiding in Image Encryption by Reserving Memory Before Encryption**
 - Software to hide and transmit data
 - Done by reserving memory space before encryption
 - Proposed novel method can embed payloads more than 10 times as large for the same image quality as the previous methods
- **Hotel Management System**
 - Integrating the functions of a Hotel Management System using computer graphics and C programming
 - Database to store guest information provide various services

HONORS AND AWARDS

- Active member of CSI (Computer Society of India) from 2011
- First Place, Best Team, *Kung Fu National Level Championship* - 2011
- Third Place, *Sahodya Football tournament* – District Level, 2009

WORKSHOPS AND TRAININGS

- Android workshop *MADCA 2K14*, 2014
- Cloud Security Fundamentals training held by CSI, 2016

REFERENCES

- Aniruddha Gannerkotte
 - Founder and Trainer, DCT (Design Code Test) Academy
 - ani@dctacademy.com
- Girish Prasad
 - CTO, RubyKraft
 - girishprasad.rubykraft@gmail.com
- Sreekrishna Sasikumar
 - Head Control Engineer
 - krishna@gulliversgate.com
- Rohit Radhakrishnan
 - Lead Product Developer
 - rohith.r.krish@gmail.com