

SRINATH SETHUMADHAVAN

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Competitive coding Profile: [Leetcode](#) | [GeeksForGeeks](#) | [HackerRank](#)

ACADEMIC QUALIFICATION

Bachelor of Engineering in Electronics and Instrumentation Anna University May 2018, CGPA: **9.53/10 (Gold Medallist)**

Relevant Coursework: Data structures and Algorithms, Object Oriented Programming, System Design, Digital Image Processing, Digital Logic Theory.

SKILLS

Programming Python, Java (Proficient), JavaScript (Proficient), C++, C
Web Technologies HTML5, CSS3 (Bootstrap, Semantic UI, Bulma) React (Learning), jQuery, Node.js, Express.js, Ajax, Axios, JSON, Spring Boot, JPA, Hibernate, REST-Assured, Selenium, and TestNG, JMeter, JUnit
Databases Mongo DB, MySQL **Version Control** -GitHub **AWS Services:** EC2
Web Tools Eclipse, Spring Tools Suite, Visual Studio, Sublime Text, Atom, Maven, Jenkins, JIRA, PuTTY

DEVELOPMENT EXPERIENCE

Software Engineer - KloudOne, Chennai **March 2020 – Present**

- Web developer working on E-learning product called KloudLearn with hands-on experience on Java, JavaScript and REST APIs. Experienced with UML, Object Oriented Design patterns and SOLID principles. .

Software Engineer, Digital Automation Team- ABB, Bengaluru **July 2018 – May 2019**

- Developed a digital sample handling system – DigiSampler 2.0 – An Online Digital Monitoring System of continuous gas analyzer systems for Process Industries. [Link about the project](#)
- Development and implementation of algorithms in Scada and dashboard development using **JavaScript, Node.js**, Axios, REST Webservices, writing VBA scripts and PLC programs for task and process automation in sample handling systems. Developed Node.js CLI tools using external packages like Chalk, Chokidar and Corporal and modules like file System and Path.
- Performed advanced CRUD operations and query optimization using indexes on the database by connecting to Mongo DB Atlas Analysed data using Aggregate Functions and Database Triggers.

ACADEMIC PROJECTS

- E-commerce Web Application (Stack: Node.js, Express.js)** [Link to the Project](#)

Developed an E-commerce web application with production grade authentication using npm packages like express-validator, multer, cookie-session, body-parser and standard libraries/modules like File System, Crypto and Util. Designed a custom database to persist the user and product details. Implemented RESTful routing to add, delete, edit products from Admin Panel and customers can add products to cart. Deployed the application on Heroku

- Message Sharing Application (JavaScript-DOM, HTML5, CSS3)** [Link to the Project](#)

Developed an application, implementing Base-64 encoding and decoding techniques to enable the safe transfer of message inside the URL. Deployed the application on Vercel cloud platform

- The Movie Fight (JavaScript-DOM, Axios, REST web services, HTML5, CSS3)**

Developed an Online Movie Comparison Application and fetched data from The OMDB API and built the reusable Auto Complete Widget feature from the scratch. Interactive comparison made between the movies based on the parameters like Box-office rating, IMDb rating, IMDb votes and Metascore.

- Created a clone of visual sound kit Patatap application with animations .The 26 melodic and rhythmic sounds that are in each set are triggered by pressing the A to Z keys (**paper.js, howler.js**) [Link to the Project](#)
- Built a user interactive online maze game with HTML5, CSS3 and **Matter.js** which is a JavaScript 2D rigid body physics engine for the web. [Link to the Project](#)
- Developed an interactive color game using RGB colors(**HTML5, CSS3-Bootstrap4, JavaScript-DOM**) [Link to the project](#)
- Built a web app using MySQL and Node.js and Cloned the database structure of a photo sharing social network

AWARDS AND ACHIEVEMENTS

- Trailblazers award for best innovation for developing a feature –rich and cost effective indigenous DigiSampler that helps customers better predict anomalies and optimize performance, ABB, 2019

Trailblazers award for performance Spot Award for Software development for DigiSampler, ABB, 2019

Gold Medal received from the Governor of Tamil Nadu for securing the First rank in the university with highest CGPA, Anna University, 2018

Endowment awards, TV Varadhachary prize, Dr. A Narasinga Rao prize, Delhi MIT Alumni Association prize and Ramjee scholarship for best performance in 2017 university exams, Anna University.

