

**Virupaxgouda Chandrashekar KumbarKattimani**<https://github.com/Virupax> | <https://www.linkedin.com/in/virupaxgoudackk>**EDUCATION****Master's in Information Technology (Emerging Technologies)****Jan 2020 - Dec 2021**

University Of North Carolina at Charlotte, North Carolina, USA

GPA 3.77

Courses: Data Structure &amp; Algorithms, Network based application development, System Integration

**Master's in Science (Computer Science)****Jul 14 - Mar 2016**

Christ University, Bengaluru, Karnataka, India

GPA 3.51

Courses: Software Design &amp; Implementation, Relational Databases, Computer Networks, Artificial Intelligence

**SKILLS****Proficient:** Core Java, JavaScript, NodeJS, Angular JS, MongoDB, C#, .NET MVC, Entity Framework, LINQ, HTML, jQuery, AJAX, SQL, NOSQL, JSON, REST, Git, Object-oriented design, Adobe Photoshop.**Familiar:** Spring, Hibernate, JSP, XML, AWS, Redis, Docker, SAPUI5, XSJS.**WORK EXPERIENCE****SyMetric Systems Pvt Ltd (Clinical Trial)****Oct 2018 – Dec 2019****System Engineer – Full Stack****PharmAnalytics:** Clinical Trial Planning Tool based on past studies data.

- Architected, Planned, and Implemented the product with the assistance of SAP's team and a junior developer.
- Structured a playground (UI) for the clinical trial planners to have a bird's eye view of the past studies using interactive charts and inputs.

**SyMetric C6:** EDC and IWRS, Drug Randomization, Logistics, Sites, Patients, eCRF, AE/SAE, Medical Coding, etc.

- Planned, supervised & developed training tool and support request resolution with 3 junior developers that are 21 CFR Part 11 & ICH-GCP Compliant.
- Decreased average latency from 200ms to 20ms to American & European users by creating a separate instance.

**Snapwiz Edutech Pvt Ltd, India (Edutech)****Mar 2017 – Feb 2018****Assoc. Software Engineer****Learning Space (Wiley):** Collaborative E-Textbook, Quizzes, Assignments, Engagement Report, Proficiency Report.

- Created data patches for corrupted data by using Nodejs & MS Excel with macros to analyse large-scale data.
- Designed and developed a scheduled CRON job service that transforms raw data, pushes through SFTP to Wiley's endpoint, and efficiently retries on failure.
- Integrated Orion CANVAS by using LTI. And Added Wiley Content Player launcher in Orion through OAuth.

**Kodeval (Compile Box):** Docker based sandbox to run untrusted code & return the output to various apps like Glider.

- Added test cases for compiling and executing source codes in 42 coding languages.
- Optimized by reducing the overall execution time by ~30% by using JMeter to test N languages on M test cases.
- Developed online judges for certain combinatorial problems (The outputs for an input can have multiple right answers) that require additional evaluation techniques like ignoreWhiteSpace, mod7, etc.

**FinMitra Finance and Mgmt. Solutions (Fintech)****Nov 2015 – Mar 2017****Junior Full Stack developer**

- Reduced user's input by 40% by prefetching their data from UUID AADHAR's API. Produced prefilled Investment form, ACH Mandate, & KYC as per the business rules.
- Implemented logic for an Autonomous advisor that aims to build a portfolio of assets by minimizing risk while maximizing returns by referring to the allocation model provided by the advisory team!
- Incorporated mutual fund trading for Buying & Selling of funds through National Stock Exchange's REST API.

**ACADEMIC & PERSONAL PROJECTS:**

- Virtual MeetApp **Jan 2020 - Apr 2020**
- Airline Reservation using Skyscanner's API **Sep 2020 - Dec 2020**
- Learning Management System **Nov 2014 - Mar 2015**
- Attendance by 2d face recognition in group photo using viola jones & Hidden Markov Model **Jun 2015 - Oct 2015**