Anirudh Vijayaraghavan

Boston, MA
(857) 991-9949 | vijayaraghavan.a@northeastern.edu
https://www.linkedin.com/in/anirudh-vijayaraghavan/

EDUCATION

NORTHEASTERN UNIVERSITY **Boston, MA**
Master of Science in Software Engineering Systems **Expected Aug 2024**
- Relevant Coursework : Data Structures & Algorithms, Object Oriented Design using Java, Web design & UX Engg., UI/UX design

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY **Chennai, India**
Bachelor of Technology in Electrical & Electronics Engrg. **May 2018**
- Relevant Coursework : MATLAB, Digital Logic Circuits, Power Electronics, Computer Aided Design (OrCAD / AutoCAD)

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Java, Python, Javascript, COBOL
WEB TECHNOLOGIES AND FRAMEWORKS: HTML, CSS, Javascript, MongoDB, Express.js, Node.js, PostgreSQL, React.js
IBM MAINFRAMES PLATFORM: Job Control Language, COBOL, REXX Scripts, IBM DB2 (RDBMS for mainframes), CMAN
OTHER SOFTWARES / PLATFORMS:VS Code, IntelliJ IDE, Atom, ServiceNow, Git, GitHub, Figma, Blender, Microsoft Office

WORK EXPERIENCE

INFOSYS LTD. **Chennai, India**
Technology Analyst **Aug 2018 - May 2022**
- Automated tasks to reduce labor costs and increase productivity, leveraging Mainframes Technology stack (JCLs, COBOL, REXX Scripts), bringing in revenue, and eliminating manual work by 4hrs/person/day
- Collaborated with onsite clients and I.T directors to determine needs, and devise solutions, along with detailed procedures and docs, to exceed 100% project deliverables
- Performed root cause analysis by working as a key resource to support over 60 distinct IT applications, to provide resolutions for production issues, and drafted corrective action plans following root cause analysis
- Created technical documentations and led training sessions to educate team members on new systems and troubleshooting protocols, leading to a decreased task completion time of 10%
- Developed, assisted, and improved the following types of applications, through debugging, and code remediation : Reconciliation systems, Data-Warehouses, Data-engineering systems, Database repositories employing IBM DB2 (SQL), FTP Protocol scripts
- Led DR (Disaster Recovery) activities, managed data-flow audits, as well as Production releases to remediate recurring bugs, resulting in a 35% decrease in recurring incidents, and tasks, translating to a sizeable reduction in monthly cost
- Analyzed errors in legacy code during refactoring / maintenance phase, adopting testing methods such as End - End, Integration, Sanity / Regression, Smoke, etc., leading to a 5% increase in application uptime

ACADEMIC PROJECTS

DAYCARE MODEL APPLICATION **Boston, MA**
Northeastern University - Course : Object Oriented Design **Nov 2022 - Dec 2022**
- Designed a Daycare center project in Java 8, tracking the students immunization records. Managed classroom functions for the teacher and administrator, along with students' immunizations in accordance with state laws and age requirements
- Utilized core Java 8, JAVA Swing UI, Factory Design Pattern and MVC to demo a dashboard for data visualization of client and teacher data showcasing sorted classrooms

E-COMMERCE WEBSITE - CLOTHING AND HOME DECOR **Boston, MA**
Northeastern University - Course : Web Development and UX **Nov 2022 - Dec 2022**
- Collaborated with 2 other members to design, devise, and demonstrate an e-commerce clothing and home decor web- application using MERN (MongoDB, Express.js, Node.js, React.js) stack
- Assembled the website leveraging React-Bootstrap making it responsive, and integrated the back-end RESTful APIs with Stripe payment gateway. Implemented search functionality, Login/Signup functions, a rich UI, bcrypt password masking, JWT

AN IMPROVED ZCS ZVS DC-DC CONVERTER WITH 9 LEVEL INVERTER **Chennai, India**
International Journal of Pure and Applied Mathematics **Jan 2018 - Apr 2018**
- Proposed a new, enhanced zero-current switched (ZCS) and zero-voltage switched (ZVS) DC/DC converter coupled with a standard 9 level inverter, with simulations & calculations done using MATLAB programming language and CAD
- Built to work with a 12V DC input, such as a simple solar panel, and produced a 320 VAC output, with a Lowered total harmonic distortion, and an inherent self-voltage balancing ability, through the 9 Level Inverter