

Saarthak Mudigere Girish

Ph: (682) 392-3698 | Mail: saarthakmudigere@gmail.com | LinkedIn: [linkedin.com/in/mudigere](https://www.linkedin.com/in/mudigere) | GitHub: github.com/mudiger

WORK EXPERIENCE:

Nucor Corporation, Dallas, TX, USA

May 2024 – Dec 2024

Automation & Software Engineer Intern

- Developed E2E scripts to automate Oracle EBS, Tripware, MWA, & OTM applications using Tricentis Tosca.
- Optimized regression testing by collaborating with PTEST, QA, and QA01 environments to cut tickets in FreshService.
- Streamlined ADO backlogs 30% faster while preserving the functionality of existing test scripts.
- Executed test cases with Panaya to predict patch impact likelihood and release bug free updates.
- Simulated load testing scenarios with Tricentis Neoload to assess system performance & identify bottlenecks.
- Implemented Full-stack Development of NMS Application using C# ASP.NET framework, jQuery & SSMS.

Tata Technologies Limited, Pune, MH, India

Oct 2021 - Apr 2022

Data Visualization Intern

- Performed ETL techniques to pre-process datasets for feature extraction & feature selection.
- Achieved faster processing times and reduced backend storage costs through data normalization.
- Produced data simulation through Tableau to include variance & correlations.
- Contributed to improve ML algorithms through clustering & reduced developers decision-making time by 15%.

Gustovalley Technovations, Bangalore, KA, India

Aug 2021 - Sep 2021

UI/UX Design Intern

- Led a team to redesign website through newly generated wireframes.
- Incorporated SEO strategies, resulting in a 30% increase in website traffic. Particularly through optimized landing page and efficient manipulation of the DOM.

EDUCATION:

Master of Science in Computer Science

Jan 2023 - Dec 2024

University of Texas at Arlington, Texas, USA

Bachelor of Engineering in Computer Science and Engineering

Aug 2018 - Jul 2022

Visvesvaraya Technological University, Karnataka, India

PERSONAL PROJECTS:

Continuous Integration & Continuous Deployment Pipeline (*Next.js | Tailwind | GitHub Actions | Docker | AWS ECR*)

- Developed a GitHub Actions **DevOps CI/CD** workflow to automate Next.js application triggering on main branch pushes.
- Containerized using **Docker** and stored the images on AWS ECR by securing AWS credentials on Github Secrets, deployment time reduced by 60%.

Serverless BMI Calculator (*React.js | Tailwind | AWS Amplify | AWS API Gateway | AWS Lambda | MongoDB*)

- Employed React.js and Tailwind to build an BMI web application, hosted frontend using AWS Amplify.
- Architected to route **RESTful API** requests to AWS Lambda functions for BMI calculations and stored data on **MongoDB**.

CERTIFICATIONS:

- **AWS Certified Solutions Architect** (SAA-C03) – Associate Certificate.
- **Microsoft Azure** (AZ-900) Fundamentals Certificate.
- **Big Data Management** Certificate from the University of Texas at Arlington.

TECHNICAL SKILLS:

Programming Languages: Python, JavaScript, Typescript, Java, HTML, CSS, SQL.

Developer Tools: Linux, React.js, Next.js, Flask, Amazon Web Services (AWS), Azure, Tailwind, Bootstrap, JDBC, Node.js, Express.js, MongoDB, Oracle DB, Oracle EBS, Git, Docker, Maven, Jenkins, GitHub Actions, Tosca (Vision AI) & NeoLoad, Panaya, Microsoft Visual Studio, JetBrains PyCharm, Jira.

Coursework: Cloud Computing and Big Data, Software Engineering (SDE) II, Database Systems, Web Data Management, Machine Learning (ML), Artificial Intelligence (AI) I, Data Mining, Advanced Computer Networks, Design and Analysis of Algorithms, Design and Analysis of Algorithms, Computer Networks, Python.