

# Saarthak Mudigere Girish

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## WORK EXPERIENCE:

### Software Developer

May 2024 – Dec 2024

Nucor Corporation, Dallas, TX, USA

- Developed a Full stack help page for the Nucor Management System using C# ASP.NET framework, jQuery & SSMS.
- Centralized the resources (FAQs, documents, demos) for all Nucor employees, reducing support inquiries by 70%.
- Developed 9 end-to-end automation scripts with Tricentis Tosca for Oracle EBS, Tripware, MWA, and OTM applications.
- These scripts reduced regression testing time by 30%, enhanced test coverage, and accelerated release cycles.
- Simulated 10 concurrent users interacting with the MWA application to identify performance bottlenecks and ensured an error-free production release.

### Data Visualization Analyst

Oct 2021 - Apr 2022

Tata Technologies Limited, Pune, MH, India

- Implemented ETL techniques using Python (Pandas, Matplotlib) across 4 projects to preprocess datasets, enabling efficient feature extraction and selection.
- Developed Tableau dashboards to perform Exploratory Data Analysis (EDA).
- Presented analytics findings to clients, improving ML algorithm selection and reducing decision-making time by 15%.

### UI/UX Designer

Aug 2021 - Sep 2021

Gustovalley Technovations, Bangalore, KA, India

- Led a team to redesign parts of the website through newly generated Figma wireframes.
- Implemented search engine optimization (SEO) strategies such as enhanced meta tags and improved structured data, resulting in a 10% increase in website traffic.

## 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:

### LinkedIn AI Detector Chrome Extension [\[WEBPAGE URL\]](#)

(JavaScript | Node.js | Express.js | GroqCloud API | Chrome API)

- Developed a SaaS Chrome extension that analyzes LinkedIn posts and calculates AI-generated content percentage.
- Integrated GroqCloud's LLM API to detect AI patterns and provide real-time feedback.
- Built a Node.js backend with Express.js to process text efficiently and ensure low-latency analysis.

### E-commerce CI/CD Pipeline [\[WEBPAGE URL\]](#)

(React.js | Tailwind CSS | GitHub Actions | Docker | AWS ECR | AWS ECS | AWS Fargate | AWS ELB)

- Automated CI/CD pipelines with GitHub Actions and containerized the app by pushing the Docker image to AWS ECR.
- Enabling developers to focus on new features while reducing manual interventions by 80%—benefiting both development teams and the business.

## CERTIFICATIONS:

- Amazon Web Services 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, Shell Scripting, Java, C++, JavaScript, TypeScript, .NET, SQL, HTML, CSS, C#.

**Full-Stack (Frontend, APIs, Backend):** React.js, Next.js, Flask, Express.js, RESTful, GraphQL, SOAP, Node.js, Oracle DB, SQL Server Management Studio (SSMS), MySQL, PostgreSQL, MongoDB, DynamoDB, Redis Cache.

**Cloud Infrastructure:** AWS, ADO, GCP, DigitalOcean, Kubernetes, Terraform (IaC), Ansible.

**DevOps/SRE:** Linux, GitHub Actions, Jenkins, Maven, Vercel, Docker Hub, Prometheus, Grafana, CloudWatch.

**Developer Tools and IDEs:** Visual Studio Code, JetBrains PyCharm, Agile, Jira, Teams, Tosca (Vision AI), ESLint.