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)

- Built a personal portfolio using Next.js and Tailwind CSS to showcase projects and skills.
- Deployed on Vercel with GitHub integration, making it easier for recruiters and developers to assess expertise.

E-commerce Website [WEBPAGE_URL]
(React.js | Tailwind CSS | GitHub Actions | Docker | AWS ECR | AWS ECS | AWS Fargate | AWS ELB)

- Developed a 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

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, Shell Scripting, Java, JavaScript, TypeScript, SQL, HTML, CSS, C#.
Full-Stack Development: React.js, Next.js, Flask, ASP.NET, Express.js, RESTful API, Oracle DB, MongoDB, SSMS.
Cloud and DevOps Tools: AWS, Azure, Docker, Kubernetes, Jenkins, GitHub Actions, Maven, Docker Hub.
Testing and Quality Assurance: Tosca (Vision AI), NeoLoad, ESLint.
Developer Tools and IDEs: Linux, Microsoft Visual Studio, JetBrains PyCharm, Visual Studio Code.
Project Management: Azure DevOps (ADO), Jira, Microsoft Teams.