SHASHANK SHANKAREGOWDA

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EDUCATION

- **Master of Science (In progress): Computer Science (AI track), University at Buffalo**, The State University of New York, **Expected Graduation:** December 2024, GPA: 3.6
  Coursework: Machine Leaning, Data Intensive Computing, Analysis of Algorithms, Computer Security, Operating System, Deep Learning, Data Models and Query Languages, Computer Vision and Image Processing.
- **Bachelor of Engineering: Mechanical Engineering**, P.E.S. College of Engineering, India, August 2017 – August 2021, CGPA: 8.52

WORK EXPERIENCE

Software Engineer, Datalyzer International Inc., Bengaluru, India: May 2022 – July 2023

- Developed dynamic and responsive user interfaces as a Front-End React Developer, leveraging modern frameworks and tools to enhance user experience and optimize application performance
- Spearheaded the design and implementation of scalable RESTful APIs in C#, facilitating robust data exchange mechanisms that served as the backbone for front-end functionalities.
- Designed and optimized relational database schemas in SQL for high transaction volumes, ensuring data integrity, scalability, and performance.
- Delivered effective on-call support, decreasing downtime by 30% and enhancing customer experience.
- Implemented lazy loading technique and made strategic changes to HTML, JavaScript, and CSS web pages, resulting in a 50% faster page loading speed, boosting user retention by 25%.

Coding Instructor, BrightChamps Pvt. Ltd., Bengaluru, India: March 2021 – April 2022

- Instructed diverse groups of up to 15 students per session on building real-world software projects; facilitated hands-on learning that empowered each student to create at least two functional applications during the course.
- Designed and delivered coding curriculum tailored to the needs of international students from diverse cultural backgrounds.
- Accumulated over a year of experience in an Ed-Tech company, specializing in instructing a wide range of technologies including HTML, CSS, JavaScript, Machine Learning, AR/VR, Python, C++, and Data Visualization techniques.

ACADEMIC PROJECTS

Colorizing Black & White Photos using Deep Learning

- Utilized advanced deep learning models, particularly conditional GANs, for image colorization, leveraging the Lab color space to achieve natural and visually appealing color predictions.
- Introduced an innovative approach to model training that significantly reduced the need for large datasets and training time, marking a notable advancement in AI-driven image processing.

Price Prediction System using Machine learning Models.

- Conceived a machine learning-based price prediction system utilizing Flask for the frontend, Integrated data visualization libraries into the frontend to provide users with insightful visual representations of the predicted price trends.

Library Management System

- Designed and implemented a Library Management System from inception, including database design and RESTful API integration with a React frontend. Achieved seamless user interaction and efficient data management.

SKILLS & TOOLS

Languages & Database: Python, C#, C++, MySQL, SSMS, PostgreSQL.
Web Development: HTML, CSS, JavaScript, TypeScript, Node.js, React.js, Angular, Web API
Software Framework: Hadoop, PySpark, Docker, Flask, PyTorch, TensorFlow.
Others: Data Structures Algorithms, Linux, Rest APIs, Team Collaboration, Incident Management, Application Support, Communication, Customer Service