GOUTHAM KUMAR MEKALA

📞 281-763-1521 ✉ goutham6045@gmail.com 🔗 linkedin-profile ⬤ Portfolio ⬤ github.com/goutham6045

Education

University of Florida	Aug. 2022 – May. 2024
Master of Science in Computer Science	*GPA: 3.66/4.0*

- Courses - Analysis of Algorithms, Advanced Data Structures, Distributed Operating System Principles, Mathematics for Intelligent Systems, Machine Learning, Human-Computer Interaction, User Experience Design

Sreenidhi Institute of Science and Technology	Aug. 2016 – Jun. 2020
Bachelor of Technology in Electronics and Communications	*GPA: 3.84/4.0*

- Courses -Object-Oriented Programming, Data Structures, Database Management Systems, Operating Systems, Computer Networks

Technical Skills

Languages/ Web Technologies: Java, Python, JavaScript, C#, C, C++, SQL, HTML, CSS, XML, JSON, AJAX, REST
Frontend/Backend: Node JS, React JS, Angular JS, Express, Tailwind CSS, Bootstrap, ASP.NET MVC, Django
Databases/ Cloud: MySQL, MsSQL, Sqlite, MongoDB, Microsoft Azure, Docker, Kubernetes
Developer Tools: Visual Studio, VS Code, Jira, Jenkins, Postman, Git, Figma, Matlab, Android Studio, Pycharm

Experience

McTrans Center - University of Florida	Dec. 2022 – Present
Graduate Student Assistant	*Gainesville, FL*

- Implemented Web APIs for a prominent traffic engineering software company, leading to a 40% surge in client API utilization.
- Used Nodejs, Expressjs & MySQL to architect robust Web APIs, contributing to 30% reduction in response time for API requests.
- Collaborated closely with the development team, ensuring seamless API deployment and achieving a 95% client satisfaction rate.
- Implemented Git for version control, leading to a 25% improvement in collaboration efficiency throughout the development lifecycle.

Accenture Solutions Pvt. Ltd.	Nov 2020 – Jul 2022
Associate Software Engineer	*Hyderabad, India*

- Spearheaded the development of cutting-edge web applications for a prominent US-based health insurance firm, leveraging a stack including .NET, NodeJS, AngularJS, and MySQL, resulting in a 25% reduction in application response time.
- Showcased adeptness in Agile methodologies, guaranteeing punctual project completion, maintaining an impressive average sprint completion rate of 95%, and garnering unwavering positive feedback from stakeholders.
- Streamlined operational efficiency through effective utilization of Microsoft Azure PaaS, culminating in a noteworthy 30% decrease in infrastructure maintenance expenses.
- Implemented Git and Jenkins to achieve a 98% code version control accuracy and reduce deployment time by 20% through continuous integration.
- Collaborated seamlessly with cross-functional teams, including UX designers and QA engineers, to deliver web applications meeting or exceeding 90% user satisfaction ratings.
- Proactively enhanced technical skills through workshops and training, resulting in a 15% improvement in the adoption of emerging technologies and industry best practices.

Projects

CampusCrib	*React, Django, Python* - Git	Jan 2023 - May 2023

- Engineered a Django-based web prototype for University of Florida students, bolstering successful housing matches by 25%.
- Spearheaded cross-team collaboration, yielding an 80% efficiency boost, while leveraging web development and UX skills to elevate user engagement by 18%.

VAE and GAN Implementation for MNIST Dataset	*Python, TensorFlow, PyTorch* -Git	Jan 2023 - May 2023

- Applied VAE and GAN models to MNIST dataset, reducing latent space dimensions by 30% and achieved 95% GAN convergence.
- Optimized for 20% better VAE image reconstruction and 40% less GAN mode collapse, yielding strong realism scores.

Twitter Engine Clone	*Erlang, JavaScript, MongoDB* Git	Aug 2022 - Dec 2022

- designed a Twitter simulator accommodating 10,000 clients, encompassing registration, login, tweeting, user following, and hashtag-based tweet querying functionalities.

NetMart - E-commerce Website	*Angular, Node Js, Mongo DB, BootStrap, Microsoft Azure*	Aug 2022 - Dec 2022

- Designed interactive shopping screens using Bootstrap and CSS, catering to a user base of 10,000.
- Developed admin functionalities for category and product management, benefiting 50 administrators.
- Incorporated a data-rich dashboard showcasing metrics like units sold, collections left, and more.

House Party Music Controller	*React, JavaScript, Django, Python* - Git	Aug 2022 - Dec 2022

- Developed a Music web app with Spotify API, engaging 350 active users to share 5,000+ tracks and playlists.
- Users contributed an average of 500 daily interactions, enriching engagement and vitality.

Awards and Achievements

- Microsoft Certified: AZ 900 Microsoft Azure Fundamentals, Power BI Data Analyst Associate.
- Received 1500 $ fee waiver as part of Acheivement Award in recognition of my academic achievements.
- Received the "Employee of the Month" recognition during my tenure at Accenture.
- Led a team of three and collaborated with eight engineering teams to design and develop software for an Autonomous Car project.