Navya Anumolu

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EDUCATION

Master of Science in Computer Science, *Lubbock.Texas*   August 2022 - May 2024

Texas Tech University

Course Work: Analysis of Algorithms, Advanced Operating Systems, Reinforcement Learning, Communication Networks

Bachelor of Technology in Computer Science and Engineering, *Hyderabad, India*   August 2017 - August 2021

Sreenidhi institute of science and technology

Course Work: C, C++ and Java Programming,Data Structures, Embedded Systems

TECHNICAL SKILLS

Programming languages	: C, C++, C#, Java,Python
Web Development Technologies	: HTML5, CSS3,Java Script, React, Angular 9+,jQuery
Frameworks	: ASP.NET MVC, .NET Core, Entity framework,Nunit
DataBases	: SQL, Microsoft SQL Server, MongoDB
Tools	: Visual studio, Vs code,Eclipse,Intellij,Postman,Git,Power BI
Cloud Platforms	: Azure, AWS

EXPERIENCE

Graduate Assistant, *Texas Tech University, Texas, USA*   August 2023 - Present

- Integrated the Piazza platform with the college's existing student portal using ASP.NET Core, Web API, and MySQL, utilizing Entity Framework Core to map Piazza data to the student portal database, reduced student question response time by 50%.
- Implemented a responsive and interactive Piazza platform using HTML, CSS, JavaScript, and Angular, featuring a real-time question feed, user profiles, and search functionality. This resulted in a 40% rise in mobile interactions.

Software Engineer , *LTI Mindtree,Bangalore, India*   June 2021 - July 2022

- Engineered secure, role-based authentication system using ASP.NET MVC, .NET Web API, and LINQ, elevating security by 30% with distinct access levels for managers, super admins, and admins.
- Designed and developed a responsive website, utilizing React, HTML, and CSS to ensure a responsive and engaging user interface, leading to a 60% increase in user retention.
- Incorporated Entity Framework and LINQ queries for sophisticated SQL database management, improving performance by 40%, leading to optimized data operations, and reliable security measures.
- Spearheaded the introduction of an interactive feature utilizing ASP.NET MVC and React allowing users to conduct and evaluate assessments, leading to a substantial productivity improvement, notable at 20% increase.
- Led the software development life cycle (SDLC),Deployed and Integrated Continuous Integration/Deployment Pipeline (CI/CD), Reviewed Pull requests (PRs),Performed deep code reviews,Implemented unit/e2e testing.

PROJECTS

Healthcare Chatbot Developemt with Reinforcement Learning, *Python|Anaconda| Reinforcement Learning*   March 2023

- Employed reinforcement learning algorithms, including Q-learning and Deep Q-Networks (DQN), to refine chatbot conversational capabilities, achieving a 25% increase in accurate query comprehension

E-commerce Website Development , *ASP.NET Core|MVC|Entity Framework|SQL Server*   December 2022

- Website that allows students to order the books online,integrating Identity Framework to manage user authentication and authorization, including customizing user profiles with additional fields,reducing data retrieval time by 50%.

Study Buddy, *Node js|Express|React|SQL*   March 2021

- Automatically generates groups to bridge the gap between students and teachers. This benefited more than 8000+ students to communicate and collaborate better during the academic semester.

Know Mates, *HTML,Java Script,ApIs,Websocket,Object oriented design,Mongo DB (User base of 2000+)*   March 2021

- Randomly pairs up students with one another over a video chat-room for ice-breaking.

Doctor Appointment Scheduling System, *Java|Spring|HTML|MYSQL*   January 2020

- Built a Java based doctor appointment website, which reduced patient wait times by 25% and allowed patients to book appointments with preferred doctor.
- Employed Spring Framework for server side tasks, Architectured MYSQL database to manage patient and physician data and introduced user-friendly interface, resulting in 30% increase in appointment bookings.

CERTIFICATIONS

- Microsoft Azure AI fundamentals.

ACHIEVEMENTS & EXTRA CURRICULAR ACTIVITIES

- Winner of Smart India Hackathon 2k19, software edition for most useful android application of the year.
- Led a team of 5 people in organizing a national level symposium ROBOVEDA.
- Achieved NCC certification, participated in 4 training programs and community services.