VEDANT PATEL

Buffalo, NY • vedantnpatel4298@gmail.com • (716) 235-7514 • LinkedIn • GitHub • Website

EDUCATION

University at Buffalo, The State University of New York   Buffalo, NY
Master of Science, Major in Computer Science and Engineering, GPA: 3.7/4.0   Aug 2021 – Feb 2023
Relevant Coursework: Modern Networking Concept; Operating Systems; Algorithms; Machine Learning; NLP and Text Mining.

Nirma University   Ahmedabad, GJ
Bachelor of Technology, Major in Information Technology, CGPA: 7.73/10   Jun 2016 – Jul 2020
Relevant Coursework: Database Systems; Microservices and Programming; Information Retrieval; Object Oriented Programming

WORK EXPERIENCE

Appetit   Buffalo, NY
Software Engineering Intern   Mar 2023 – Present
- Aiding on-demand delivery service with MERN stack (MongoDB, JavaScript, React) and Restful APIs development.
- Manage and Writing technical specifications according to business requirements and conceptual design.
- Improving cost effectiveness by integrating third party API for food testing and validation including programs debugging.

Sumay Infotech   Ahmedabad, GJ
Android Developer Intern   May 2019 – Jul 2019
- Assisted in development of "Finance Management System" mobile application in Java programming language.
- Collaborated with team to design user-friendly interfaces for expense tracking, budgeting, and financial analysis features.
- Participated in team meetings, offering ideas and suggestions for enhancing user experience and overall functionality of a Finance Management system.
- Delivered it on a global platform with help of Firebase tool.

PROJECTS

Persona Based SocialBot   Jan 2022 – May 2022
- Developed a persona-driven chatbot, engages users in natural and persona conversations, making an interactive and engaging user experience.
- Implemented Natural Language Processing (NLP) algorithms to understand user intents and provide accurate and relevant responses.
- Maintained a user-centric approach throughout a development process.
- Improved a perplexity from 300 to 40 and outperformed other models.

Multilevel Feedback Queue Scheduler   Nov 2021 – Dec 2021
- Created an Advance Scheduler to balance threads' different scheduling needs in C and C++.
- Designed multiple priority queues and accommodate processes of different priorities and ensure fairness and responsiveness.
- Collaborated with a team to ensure proper integration of Scheduler and able to reduce average response time for running jobs on OS.
- Conducted thorough testing and debugging to identify and resolve any issues or anomalies in the scheduler's behavior.

Text-To-Speech Application   May 2020 – Sep 2020
- Devised a java-based Text to Speech application in swing for developing a user interface.
- Utilized Java's built-in libraries or integrated third-party TTS APIs to generate high-quality speech output with customizable voice options.
- Documented application's functionality, APIs used, and configuration options for ease of use and future reference.
- Supported text preprocessing features to enhance speech synthesis accuracy and adaptability.

SKILLS

Programming Languages and Frameworks: Java, C, Python, C#, TypeScript, C++, HTML, JavaScript, Ruby, Rails, Springboot.
Databases: MySQL, MongoDB, PostgreSQL, SQL, Oracle.
Tools and Technologies: Visual Studio, Firebase, Anaconda, Git, GitLab, Linux, Postman, Docker, AWS, Azure, Google Cloud. Jira.
Other Skills: Debugging, Problem-solving, testing and implementing data models, quick learner.

CERTIFICATIONS

- LinkedIn - MongoDB Essential Training.
- LinkedIn - AWS Essential Training for Developers.
- Coursera - End-To-End Machine Learning with Tensorflow on GCP (Google Cloud Platform).
- LinkedIn - Programming Foundations: APIs and Web Services.
- 5 hours seminar on AWS Innovative Online Conference 2019.
- Coursera - Neural Network and Deep Learning.