DIPENKUMAR GOHIL

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EDUCATION

The University of Texas at Dallas, Richardson, TX   August 2022 - May 2024
Master of Science in Computer Science   GPA: 3.72/4
Coursework: Machine Learning, Design and Analysis of Algorithms, Cloud Computing, Natural Language Processing, Database Design, Artificial Intelligence, BigData Management and Analysis, Statistical Methods for Data Science.

Gujarat Technological University, Ahmedabad, INDIA   May 2018 - June 2022
Bachelor of Engineering in Information and Communication Technology   GPA: 9.46/10

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, React
Frameworks: React, Node.js, Django, Kivy, WordPress
Databases: MySQL, SQL, MongoDB, PostgreSQL
Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn
Tools: PowerBI, Tableau, Excel, Docker
Operating Systems: Linux, Windows, MacOS

PROFESSIONAL EXPERIENCE

Software Engineer Intern   Dec 2023 – Present
Motorola Solutions   Allen, Texas
- Addressing real-time production issues and working with the client support team to debug error logs and tickets.
- Employing Go programming for various automation tasks and showcasing proficiency with bash scripting for basic automation tasks resulting in a 25% decrease in audits workload.
- Utilising Jenkins to develop CI/CD workflows for the automation tasks that involve, monitoring product systems and performing audits and resolving issues, leading to improved system reliability, security, and performance.

Developer Intern   Feb 2022 – May 2022
Achyut Labs Pvt. Ltd.   Ahmedabad, India
- Transformed and implemented 30+ Python functions for the backend of a headless e-commerce website project.
- Initiated using React APIs for the company's website to improve response time by 40%.
- Established and maintained MySQL database to the application and APIs for data storage and retrieval.
- Streamlined project delivery by collaborating closely with the analyst team, resulting in a 20% reduction in project timeline and a 15% increase in on-time project delivery.

Software Developer Intern   Jan 2021 – March 2021
Santa Softech   Ahmedabad, India
- Developed an auto emailing application in Java thus decreasing the marketing team's workload by 15%.
- Integrated APIs and performed API checks using Postman to determine operability.
- Discovered and analysed around 5 different database updates which reduced overhead costs by 30%.
- Collaborated with a team of developers to design and implement new software functions resulting in a 25% increase in projected customer acquisition.

PROJECTS

Expense Tracking Application   March 2023
- Constructed an expense tracking web app using Python.
- Integrated with a Firebase backend for real-time data synchronisation and secure user authentication.
- Implemented features for tracking and categorising expenses, ensuring a seamless and intuitive user interface.

Sorting Algorithms Visualizer   September 2022
- Created an application using Python and Kivy that displays the transitions in different sorting algorithms.
- Visualised transition in algorithms using Matplotlib library.
- Transformed it into a web app using HTML, CSS and JavaScript.

Employee Payroll System   September 2022
- Developed an Java app for HR administrators to add employee details, calculate salaries, and generate payrolls.
- Utilised Java Collections for efficient storage and retrieval of employee records, enhancing data organisation.
- Incorporated exception handling to manage edge cases and ensure accurate payroll processing.