

Niranjan Kumar Gurram

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SUMMARY

- Experienced CS Graduate with over 2 years' IT experience designing, implementing, and supporting interactive Web sites and Web applications.
- Expertise in Client Scripting language and server-side scripting languages like HTML5, CSS3, Angular1.x, 2, React, Node.js.
- Experienced in project management, Web design, bank websites, systems analysis, troubleshooting, and quality control.
- Experience with responsive web design by using CSS3 media queries and front-end frameworks such as Bootstrap.
- Proficient in designing, develop and maintain database applications using SQL and ability to write complex stored - procedures.

EDUCATION

Master of Science in Computer Science August 2023 - Present
The University of Texas at Arlington, Arlington, Texas
Key Course work: Design and Analysis of Algorithms, Distributed Systems, Data Structures

Bachelor of Technology in Computer Science GPA Achieved: 3.7/4.0
Vignan's University, Andhra Pradesh, India Graduated - May 2023
Key Course Work: Machine Learning, Cloud Computing, Big Data & Analytics, Artificial Intelligence. Mobile Computing, Cryptography & Network Security, Software Engineering, Computer Networks, Data Mining Techniques. Operating Systems, Compiler Design, Web Technologies, DBMS, Data structures, OOPS through Java, C Language.

AREAS OF EXPERTISE

Programming Languages: C, C++, Python, Java, and SQL.
Web Technologies: HTML5, XML, CSS3, JavaScript.
Database: MySQL.
Software Designing: Agile, Test-Driven Development (TDD), UML
Application Server: Apache Tomcat
Big Data Technologies: Hive, Apache Hadoop, HDFS.
Analytical Tools: SAS, Excel
Tools and IDE: Eclipse, PyCharm, Notepad++, Visual Studio
Operating systems: Microsoft Windows, Ubuntu Linux.
Python Framework: Django
Architecture Design: Lucid Chart, Draw IO for Data Modelling.
Other: ServiceNow, AWS, Git, Jenkins, Embedded-C, Ubuntu.

EMPLOYMENT HISTORY

Intern Hyderabad, Telangana, India.
Center for Good Governance website devop May 2023 – June 2023
Tools: Java, HTML, CSS, JavaScript

- Maintained existing website and applications. Used debugging skills to improve the quality of code and improve application performance. Developed new functionalities in the front end. Reviewed and tested existing code to discover and fix bugs.
- Extensive experience in hand-coding. Experience using JS Frameworks (**jQuery, NodeJS, Spring and Hibernate**)
- Knowledge of a scripting language. Knowledge/ experience with front-end performance optimization (YSLOW standards)
- Experience working with **AJAX** and **services/ APIs** to serve up dynamic and data-heavy content. Experience developing Java web application. Experience with source control (**SVN and GitHub**)

Software Engineer. Hyderabad, India
Pixir Softech Solutions., Jan 2022 – April 2023
Tools: Java, JSON, D3.js, JavaScript, HTML, CSS

- Designed and developed a webpage to define a Hierarchical structure (social networking graph) for the large data in JSON format. The graphical user interface was designed using HTML and CSS.
- The graph database management system **Neo4j** and D3.js, was a **JavaScript** library used for manipulating data documents. Involved in requirements gathering and requirements analysis.
- Install, configure, and deploy **software**, provide quality assurance. Troubleshot various software issues using the debugging process and coding techniques.
- Developed high-level** customer support system to remote customers and increased the accuracy to redirect the email concerns to the right department. Developed JSPs and Servlet. Developed screens using **Java, HTML, DHTML, CSS, JSP and JavaScript**. Designed Database for the application. Implemented all validations and done testing using **SOAP**.
- Tracked and solved tickets for defects on bug reporting tool (**JIRA**).

PROJECTS

Block-Level Data Deduplication for Optimized Storage | Tools: AWS, PyCharm, MySQL Workbench, Chunking Algorithm, SHA 256 Algorithm.
This project tackles the challenges of storage inefficiency and resource wastage due to redundant data in the big data era. Block-level data deduplication seeks to enhance storage efficiency and management by eliminating duplicate data blocks within storage systems. It also seamlessly uploads deduplicated data to the cloud for enhanced accessibility and backup.

Virtual Assistant using Python | Tools: PyCharm
This implemented assistant can use voice commands to open Notepad, Google, Windows media player, Email, Facebook, Calculator, and Paint. We can add more applications based on our requirements. By using Google speech recognition API for voice input.

Greedy Florist | Tools: PyCharm, HTML, CSS, Greedy Algorithms.
Designed a web application for a flower shop where customers minimize costs while the florist maximizes profits. Users select flowers for their cart, and the system calculates and displays the final cost, with the option to provide inputs through files for convenience.

Medical Health Database System | Tools: Notepad++, MySQL Workbench.
Created a user-friendly Medical Health Database System, prioritizing a robust database schema for precise symptom storage and using SQL queries to categorize patients based on symptoms. Proficiency in MySQL Workbench facilitated efficient database management and enhanced healthcare professionals' information retrieval capabilities.

Loan Eligibility Prediction System using Logistic Regression | Tools: PyCharm, Linear regression Algorithm.
Developed a Loan Eligibility Prediction System using logistic regression and PyCharm, enabling automated applicant screening for loan approval. This project showcased my expertise in software development, data analysis, and user interface design.