Keerthana Veena

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EDUCATION

California State University, Los Angeles — 2022-2024
Masters Computer Science — GPA: 3.79/4

SASTRA Deemed University, Thanjavur — 2016 - 2020
Bachelors of Technology in Computer Science and Engineering — GPA: 3.33/4

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, C
Web Technologies: HTML5, CSS3, Bootstrap, JavaScript, React JS, Angular JS, Flask, Django, RESTful API, JSON, Docker, CI/CD, GIT, Drupal
Java Technologies: Java, Node.js, Servlets, JDBC, JSP, Spring MVC, Springboot
Database System: MySQL, SQL Server, Oracle SQL, PostgreSQL, MongoDB
Cloud Technologies: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
Data Tools: Microsoft Data Tools, Power BI, IBM Datastage, MS Excel
Operating System: Windows, MacOS, Unix, Linux

EXPERIENCE

Instructional Student Assistant/ Web Developer (Cal State LA, USA) — Feb 2023 - Present
- Prepared learning material and instructed students in Python and Oracle SQL as part of Internship program.
- Currently developing a website with roadmap and pre-/co-requisite structure at **Cal State LA** for community college transfer students using React.JS, JavaScript and Node.js.

Senior Systems Engineer (Infosys Limited, India) — Dec, 2021 - Jul, 2022
- Collaborated with cross-functional teams including designers,product managers, and other developers to deliver high-quality software solutions.
- Developed and maintained scalable, responsive web applications from concept to deployment.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.
- Compiled database by creating index tables and documenting application functions in the first 20 days and automated 10+ manual processes using Python scripts, reducing 75 percent of the time spent analyzing data.
- Developed a reporting tool in Python (Django), which replaced an existing system with 94 percent efficiency, to track website usage statistics across 120+ branch office locations

Systems Engineer (Infosys Limited, India) — Oct, 2020 - Nov, 2021
- Participated in Agile methodologies, contributing to sprint planning, and attended regular Scrum meetings for effective project coordination.
- Designed and implemented UIs using frontend technologies such as HTML, CSS, JavaScript, and frameworks like React, Angular and backend solutions using server-side languages like Node.js, Python, along with frameworks such as Flask.
- Created web services and APIs that enable seamless communication between the front-end and back-end components.
- Created dashboards using SSRS and Power BI to display 30+ KPls related to distinctive areas of interest within departmental operations and managed databases using SQL and performed complex queries for data retrieval and analysis.
- Created and implemented a data warehouse for storing, processing, and analyzing large amounts of structured and unstructured data from weblogs, transactional systems, and 40+ other sources.
- Designed an Extract-Transform-Load process to load 200TB of data into a data warehouse using SQL Server Integration Services (SSIS).

Systems Engineer Intern (Infosys Limited, India) — Dec 2019 - June 2020
- Collaborated with senior developers to design, implement, and test new features for a web application, gaining hands-on experience with technologies like Javascript, Node.js, and React.
- Reduced the number of reported bugs by 30 percent through code review and debugging techniques.
- Conducted SWOT Analysis for Indian Tourism data using Microsoft Data tools, SQL Server and developed website with HTML, CSS, Javascript to publish dashboard with generated reports.

PROJECTS

- **Social Network Analysis:** In-depth analysis of social network using Java, JGraphT, and GraphStream for insights.
- **Automation of Database:** Automation of manual insertion and updation of database using Unix and Python
- **JOBS4U Web Application:** Online-job portal using JDBC, JSP, Bootstrap, Servlets, AWS technologies.
- **DISHcovery:** AI identifies ingredients, NLP generates recipes using HTML, CSS, Javascript, Python (Flask), MongoDB.

RELEVANT COURSEWORK

Computer Science: Web Technology, Software Engineering, Data Structures, Design and Analysis of Algorithms, Data Science

AWARDS CERTIFICATIONS

- **Rookie of the Quarter** - Data and Analytics Department, Infosys (Nov,2021)
- **Awards for Excellence 2021-22** - Infosys for Small project execution within a SL <= 50 FTE in the Bronze category.
- Completed **AWS Data Quest - Cloud Practioner**.
- **Infosys Certified SSIS Developer**