Haritha Injam

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Education

Master of Engineering (M.Eng.) in Computer Science, VirginiaTech   **GPA:** 3.95/4   **Expected: May 2025**
Relevant Coursework: Software Engineering, User Interface Software, Info Visualization, OS, Cloud Computing, Mobile & Web App Dev
Bachelor of Technology in Electronics & Communication Engineering, V R Siddhartha Engineering College, **CGPA**: 8/10
Relevant Coursework: C, Data Structures & Algorithms, Java, Python   **Aug 2014 - Aug 2018**

Technical Skills & Certifications

Programming languages: C, Python, Java | **Databases**: Oracle Database, SQL, PLSQL | **Web Development**: HTML, CSS, JavaScript |
Tools/Frameworks/Libraries: Jira, GitHub, SQL Developer, VSCode, PyCharm WinSCP, Gantt Chart, Balsamiq WireFrames, Putty, Figma | **Familiar:** Unix, MongoDB, JQuery, Django, React, Tableau
Certifications: "Python for Everybody" from John Hopkins, Certification in Java & Advanced Java from Naresh Technologies.

Professional Experience

Associate Consultant, Capgemini | HTML, CSS, JAVASCRIPT, PYTHON, SQL, PLSQL, JIRA   **Nov 2019 - July 2022**
- Skillfully designed intricate SQL queries and PL/SQL functions, procedures and packages leading to the successful deployment of **5** major modules within the **IAM** Toolkit Application.
- Engineered stored procedures in **PLSQL** that merged data and performed insert, update and deletion of duplicate records; increasing the data accuracy by **95%**.
- Modified queries as part of performance tuning to reduce the runtime from more than a minute to **2.5** secs.
- Worked with **Python** libraries like **Pandas, NumPy** for acquiring data from different input database sources, reporting the overview and dispatch emails using python libraries.
- Good experience in creation of Views, Indexes and Constraints, Scheduler/Cron jobs and External Tables to migrate data from flat files.
- Implemented Synonyms, Sequence, User Defined Data Types and Nested Tables for the requirements.
- Designed 6 pages of the IAM Toolkit module using **HTML, CSS** and developed user interactions with **JavaScript**.

Database Compliance Analyst, Capgemini | SQL, PLSQL   **May 2019 – July 2022**
- Designed the queries to fetch the list of **5 million+** users, corresponding roles & privileges three level down.
- Automated users list extraction process using SQL & PLSQL to assist access review team to perform database reviews reducing the time needed for extraction by **90**%.
- Applied various **Database Controls** such as IDM Integration, IDM Linking, Default password reset for built in accounts, Audit enabling, profile reorganization, unidentified account cleanup in accordance with regulations like SOX, GDPR, IP, EC on **100+** Databases reducing non-compliance risks by **70%**.
- Documented SOP for OS Data load into application, Functional Specification creation for Automation of DB Data load into application.

PLSQL Developer Intern, Capgemini | SQL, PLSQL, MongoDB   **Dec 2018 - April 2019**
- Devised an examination and evaluation system that performs several functions such as calculating the grade, finding out top performers, fetching required scores and handles any exceptional cases using **PLSQL**.

Projects

Eventease (Software Engineering): Demo Link
- Architected user-centric front-end interface using **ReactJS, HTML & CSS** integrating with a Java-based backend using **Java SpringBoot, MySQL** for event creation and response management.
- Configured **REST API**s for image uploading and event data processing and deployed the application using **AWS Cloud.**

Guess My Number: **https://human999-hub.github.io/guess-my-number/**
- An interactive web-based game developed using HTML5, CSS3 and Javascript where the player has to guess a secret number b/w 1 and 20.

Pig Game: https://human999-hub.github.io/pig-game/
- A simple dice game designed and developed for two players created using **HTML5**, **CSS3** and **JavaScript**.

PTCollab (User Interface Software): This web application is a collaborative platform between teachers and parents facilitating the exchange of student academic update information.   **Git Repo**
- Utilized **HTML5, CSS3 and JavaScript** to create a responsive interface including dynamic content presentation.
- Implemented advanced user interaction features using **jQuery** and **AJAX** including search results display, real-time data manipulation and **CRUD** operations in an "Academic Updates" module.
- Created a secure multi-role user account system for Teachers, Parents and Admins in **Python**, **Django** supporting customized views, profile management and interactive features like commenting and activity feeds and hosted the application on **Heroku**.

Myntra Fashion Analytics Dashboard (using Dash Framework – Information Visualization) – Demo Link
- Developed a comprehensive web application using **Dash, HTML, CSS** featuring custom user interactivity and real-time data analysis.
- Integrated various **Plotly** graphs and interactive elements to enhance user engagement and data exploration capabilities.

Web Application Project (Fable & Folio (Online BookStore) – Ongoing Project): Git Repo
- Designed an intuitive interface for an online bookstore web app in Figma, focusing on seamless navigation and an engaging user experience.
- Worked on the welcome and categories pages of the bookstore application using **HTML** and **CSS** ensuring the layout was responsive and visually appealing.

Cloud Computing Projects:
- Implemented a big data solution using **EMR** for real-time social media hashtag analysis. Utilized **Hadoop/Spark** and **AWS S3** for data storage and processing.
- Developed serverless **REST API**s with **AWS Lambda** and Amazon API Gateway for a database-backed web application. Managed dependencies with **Lambda layers** and ensured secure **IAM role** configurations.
- Built and deployed a machine learning classifier to predict wine quality using **AWS SageMaker**.

Completely Fair Scheduler using Multi-Threading and Load Balancing | Pintos, **C**, VS Code, multi core Operating Systems
- Extended Pintos by improving thread creation, scheduling with a fair scheduler, and eliminate busy-waiting(synchronization)
- Developed a dynamic load balancer to evenly distribute threads across CPUs, ensuring efficient processor utilization.