Ram Kiran Devireddy

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Career Summary

As someone who is passionate about software development, my goal is to become a skilled software developer and, eventually, a software architect. I am currently pursuing a Master of Science in Data Science and completed a Bachelor of Technology in Electronics and Communication Engineering. With expertise in Java, Oracle SQL, Pl SQL, MongoDB, and Spring MVC, I have successfully led software development projects and orchestrated large-scale data migration deployments.

Academic Qualification

***Master of Science**, Data Science, Indiana University, Bloomington, US* **August 2022 - Present**
- CGPA: **3.57/4.0**, *Luddy School of Informatics, computing, and engineering*.
- Course Work: Applied Database Technologies, Applied Algorithms, Applied Machine Learning, Intro to Stat, and Data Mining.

***Bachelor of Technology**, Koneru Lakshmaiah Education Foundation, Guntur, India* **June 2016 -May 2020**
- CGPA**: 4.0/4.0 (Top 5%),** *Electronics and Communication Engineering*.
- Course Work: C and Data Structures, Object-Oriented programming in Java, Coding Skills in Python, MATLAB, LABVIEW etc.

Work Experience

***Software Engineer**, IVY Comptech (ENTAIN), Hyderabad, India* **Jun 2020 – Jun 2022**
- Worked on the development and maintenance of white label features for core and compliance like registrations, logins, geolocation, account recovery and access control using Java, Oracle SQL, PLSQL, MongoDB, Spring MVC and Spring Data JPA.
- Orchestrated efficient large-scale software deployments and supported for the launch of 15+ projects on production.
- Worked on Data Migration Projects of Portugal, Nevada, and Mexico Projects. Established a framework called the 'Fetch Transform and Process' Framework (FTP) in Oracle SQL to process the whole migration and received manager appraisal award for doing so.
- Loaded, Cleaned, transformed, and migrated a data dump of around 6 million records using Python, SQL Loader, Oracle SQL, MS Excel and CSVs for Portugal and Mexico migrations which significantly contributed to my Manager Appraisal Award.
- Created a GUI using JAVA, Spring MVC, SSH and JDBC to perform Risk Data Analytics (check, analyze and manage user usage stats on daily basis) for audit and safe purposes on user data for New Mexico Projects.

Technology and Software Skills

Programming Languages: Python, Java, JavaScript, C, HTML, CSS.

Frameworks and Libraries: Spring MVC, Spring Data JPA, Spring Core, JDBC.

Databases: MySQL, Oracle SQL, PL SQL, SQLite, Postgre SQL, MongoDB.

Tools and Technologies: MATLAB, SQL Developer, Jupyter, Putty, LINUX, SSH Shell, LabVIEW, Assembly level programming, Verilog HDL Programming, Data Structures and Algorithms.

Research Experience

***Publication**, International Journal of Recent Technology and Engineering* **Jan 2020**
- Leading a team of three, published a paper on various implementations and methodologies of 'Facial Expression Detection' like RGB Model and Comparison Model on IJRTE, Volume-8 Issue-5, January 2020
  Publication url: *https://www.ijrte.org/wp-content/uploads/papers/v8i5/E6284018520.pdf*

Relative Projects

1. **Bikes and Cars Rental Website (CRR Bikes and Cars),** *Ongoing*
   - Leading a team of three to design and develop a full-fledged website for vehicle rentals with different views like Admin, Owner, Renter etc. using technologies like MongoDB, Express, React and Node JS (MERN stack).
   - Through this website a renter can check available bikes or cars, rent a bike or car on hourly or daily basis, check offers, get added to the waitlist for a specific car or a slot and check the expenses.
   - An owner can add cars and prices etc. to the website and an admin can have privileges to approve or cancel these changes.
   - Customers can also register, login, add money to the wallet, make payments, check the current bill for their usage etc.
2. **Ecommerce-Application Using-JSPs-and-Servlets,** *Wipro Ltd*
   - Trained on "Java Full Stack development", with emphasis on Java, MySQL, J2EE and JDBC and developed a back-end application using JSPs and Servlets as part of ***Wipro Talent Next Certification***.
   https://www.kaggle.com/ramkiran55devireddy/digit-recognizer-using-keras-and-matplotlib
3. **Digit Recognizer Project**
   - Developed a model to recognize handwritten digits. Achieved an accuracy of 98.93% and won a Bronze Medal on Kaggle.
   https://www.kaggle.com/ramkiran55devireddy/digit-recognizer-using-keras-and-matplotlib

Certifications and Badges

SQL I Badge, *Leetcode,* **IBM Professional Data Scientist Specialization,** *Coursera,* **Python and Problem-Solving Gold Badge**, *Hackerrank,* **Introduction to MongoDB,** *LinkedIn,* **Certified LabVIEW Associate Developer,** *National Instruments.*