Veera Venkata Palla

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EDUCATION

Master of Science in Management Information Sciences   Aug 2022 - May 2024

University of Illinois at Chicago   Chicago, IL

- Related Courses: Enterprise Application Development, Advance Database Management Systems, Business System Analysis and Design, Project Management - Agile & Scrum methodologies, Data Mining, Big Data

Bachelor's in Computer Science and Engineering (B.Tech)   *Aug 2018* - Apr 2022

Lovely Professional University   Punjab, India

SKILLS

- ***Programming Languages***: Java, Kotlin, C#, Python, R, C++, C, SQL
- ***Web Frameworks/Libraries***: .NET, Spring MVC, Django, React.js, Node.js
- ***Data Frameworks/Libraries/Software***: Hadoop, Spark, Tableau, Power BI
- ***Application Server***: AWS (EC2, Elastic Beanstalk), Apache Tomcat, Netlify, Vercel
- ***Databases/Data Warehouses***: MySQL, Oracle, PostgreSQL, MS Access, MS SQL Server, MongoDB, Amazon RDS
- ***Web Technologies***: HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, JSON, XML, Webpack, Babel
- ***Build/Other Tools***: Docker, JUnit, UML, Jira, Trello, MS Visio, Maven, Gradle, Git, GitHub, Postman, REST API's

EXPERIENCE

Software Developer Intern   Sep 2021 – Jul 2022

Sedin Technologies   Chennai, India

- Developed applications with *Core Java, Maven, Spring MVC*, implementing *multi-threading* and *RESTful APIs*.
- Tested applications for end-to-end test cases with *JUnit* and *Swagger* and resolved over 100 bugs.
- Implemented mapping of relational databases to Java objects with *Ibatis* and *Hibernate.*
- Elevated application security by implementing user authentication using *Spring Security* & *JWT*, resulting in 25% improvement.
- Leveraged *AWS EC2, S3, API Gateway* and *RDS* for scalable application deployment, reducing deployment time by 40%.
- Streamlined *CI/CD* process using *AWS Code Pipeline* and *Git*, enabling faster time-to-market for new features.

Lending kart Finance Private Limited   Aug 2020 – Jun 2021

Data Analyst/ Data Scientist Intern   Bangalore, India

- Leveraged *AWS Athena* and *Redshift* to analyze large datasets (100K+ records), providing strategic insights.
- Generated regular *analysis* reports for facilitating key *business decisions* while working in collections team.
- Performed *data preprocessing* and cleaning with *Python* and *R*, enhancing data quality by 25%.
- Created *Tableau* dashboards for *visualization* & *KPI metrics* evaluation, leading to 20% increase in debt recovery.
- Collaborated with teams to develop *machine learning* models with *Python* in *Sage Maker* to predict loan defaults - 85% accuracy.

PROJECTS

E-commerce Website (Java, Spring Boot, Bootstrap, MySQL, JavaScript, Maven, Hibernate, AWS) | **GitHub**

- Crafted & developed e-commerce web application with *Java, Spring Boot*, implemented inventory management, *RESTful APIs*.
- Incorporated secure user authentication with role-based access control with *Spring Security*, enhancing security by 2X.
- Leveraged *Amazon RDS* database and hosted on *AWS EC2 instance*, leading to a 15% improvement in query response times.

Spotify Music Controller (Python, Django, React, Redux, Webpack, Babel, Material UI, AWS) | **GitHub**

- Designed & developed a Music Controller System with *Django*, *React* featuring intuitive user experience, efficient *RESTful APIs*.
- Integrated Spotify API and implemented robust authentication and session management.
- Optimized client-side performance by 20% using *Webpack* and *Babel* for bundling, transpilation, cross-browser compatibility.

SkyWest Airlines Performance Analysis (Tableau, Excel)

- Conducted comprehensive analysis on Airlines' *KPIs* using *Tableau* for *data visualization*, *Excel* for advanced data exploration, pivoting, trend interpretation, facilitating granular performance evaluations across datasets exceeding 120K records.

Movie Recommendation System (Python, PySpark, PyTorch)

- Executed meticulous *data preprocessing* on a 500k+ records movie dataset achieving 95% cleanliness.
- Engineered a parallelized *PySpark* framework for 2X processing acceleration,
- Devised a recommendation system with *PyTorch's* collaborative filtering, yielding 80% accuracy over conventional techniques.

CERTIFICATIONS AND ACHIEVEMENTS

- *Data Structures and Algorithms*, Geeks for Geeks.
- *Data Science orientation* badge and certification from IBM | *AWS cloud security* foundations certificate.
- *Tableau Essentials* certification from LinkedIn | *SQL and Relational Database* certification from Big Data University.
- Published *research* paper on Robot Path Optimization with Genetic Algorithm in IRJET journal.