

ANJANI DEVI PERISETLA

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PROFESSIONAL SUMMARY

Highly skilled **Software Developer** with expertise in **Java, Python, SQL, and cloud platforms**. Proven experience in **full-stack development, microservices, data engineering, and automation** using **Spring Boot, Angular, Kafka, and Snowflake**. Strong background in **machine learning, data visualization, and Agile methodologies**, driving **efficiency, scalability, and innovation** in **healthcare IT and analytics solutions**.

SKILLS

Programming Language: Java, Python, C, C++, SQL, HTML, CSS, R, Springboot
Frameworks: Node.js, RestAPI, Angular JS, GraphQL; **Libraries:** Pandas, Numpy, Matplotlib
Developer Tools: Git, Github, Docker, Jenkins, Snowflakes, Kafka, Tableau, VS Code, IntelliJ, Eclipse, Postman

PROFESSIONAL EXPERIENCE

Optum – United Health Group Gachibowli, Hyderabad
TDP (Technical Development Program) Jan 2022 – May 2023

- Trained in Java, SQL, cloud platforms, and Agile methodologies, contributing to coding, debugging, and testing in healthcare IT projects. Experienced in Agile processes, including stand-ups and sprint planning
- Skilled in analyzing healthcare data, generating reports with Tableau, and ensuring compliance with HIPAA standards. Committed to maintaining project security and delivering high-quality, data-driven solutions in dynamic IT environments

Optum – United Health Group Gachibowli, Hyderabad
Software Engineer Jun 2022 – Dec 2023

- Designed and developed Micro services and APIs using **Spring Boot** to manage cloud-based **postgreSQL** data, driving **99.99%** uptime and user growth by over **2,500%**
- Automated data pipelines using **Kafka connectors**, enhancing efficiency and seamless feature integration. Led migration from enterprise **GitHub to GitHub Cloud**, streamlining environments, **reducing deployment time by 80%**, and minimizing manual errors.
- Delivered scalable solutions using Spring Boot, **Angular, PostgreSQL, Snowflake, Kafka, Azure, and Jenkins** for CI/CD, ensuring robust system performance.
- Resolved **90%+** of production issues on time by performing Root Cause Analyses (RCAs), consistently achieving **SLA targets**.
- Championed team productivity by fostering collaboration and proposing solutions that improved system efficiency and innovation.

Amrita School of Engineering Kerala, India
Undergraduate Research Assistant Jan 2021 – Dec 2021

- Developed and implemented **machine learning models** to analyze and predict trends in large datasets stored in relational database management systems (**RDBMS**), achieving **85%+ accuracy** in predictions.
- Applied algorithms such as **K-Nearest Neighbors (KNN)** and clustering using Python libraries (**Pandas, NumPy, Scikit-learn**) to extract actionable insights from structured data, improving decision-making efficiency by **30%**.
- Designed and optimized database schemas to efficiently manage and query large data volumes for machine learning applications, increasing **query performance** by **40%** and reducing latency.
- Reduced data processing errors by **25%** through the implementation of robust data validation and cleaning techniques during preprocessing.
- Collaborated with a professor and team to advance research in machine learning, delivering real-time insights and contributing to the publication of findings in the field.

PROJECTS

Optum Provider Portal Jun 2022 – Dec 2023

- Developed a **full-stack web application** for the **Optum Provider Portal**, utilizing **Spring Boot** for REST APIs and **Angular** for a dynamic front-end. Enabled seamless provider access to critical resources and information.
- Leveraged **Spring Boot, Angular, PostgreSQL, Snowflake, Kafka, Azure, and CI/CD pipelines (Jenkins)** to build a **scalable, high-performance application**.
- Implemented **optimization strategies**, improving **application performance by 35%**. Fostered a **collaborative team environment**, ensuring efficient **backend integration** for **real-time data retrieval and updates** with **40% reduced latency**.
- Conducted **comprehensive testing**, ensuring **99.9% uptime** and **SLA compliance** for performance and availability. Delivered **actionable insights** by visualizing data from **Snowflake**, increasing **satisfaction scores by 25%**.
- Aligned **development initiatives** with **business objectives**, enabling **efficient provider data access** and improving **user engagement**. Played a **key role** in ensuring **secure, high-performance solutions** for healthcare professionals.

Udemy Online Course Dashboard | GithubLink Oct 2024 – Dec 2024

- Developed an **interactive Tableau dashboard** for **Udemy insights** using **Python**, analyzing data from **3,683 courses** with **advanced preprocessing techniques** to ensure **data accuracy** and deliver reliable business intelligence.
- Designed **advanced visualizations**, including **bar charts** and **time-series analyses**, to identify **trends in pricing and popularity**, improving **actionable insight accuracy by 30%**. Integrated **dynamic filters** for subject categories, difficulty levels, and pricing models, enhancing **dashboard usability by 40%**.
- Delivered **real-time, data-driven insights** through **Tableau dashboards**, enabling **course creators** to optimize **pricing strategies** and improve **user engagement**, leading to a **25% increase in course visibility** and better market positioning.

EDUCATION

Master’s in Information Technology Expected Dec 2025
Arizona State University, Tempe, Arizona GPA: 4/4
Relevant Coursework – Cloud Architecture, Computer Architecture, System Development, Big Data Analytics, Data Visualization
Bachelor of Engineering in Computer Science Apr 2022
Amrita School of Engineering, Kollam, Kerala GPA: 7.9/10
Relevant Coursework – Data Structures and Algorithms, OOPS in JAVA, Computer Networks, Cloud Computing, OS, DBMS