VIVEK SANGAPPA KADIWAL

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SUMMARY

Software Engineer with **3 years** of full-stack **experience**, specializing in system design, code optimization, and cross-platform debugging. Proficient in **Java**, **Python**, and **JavaScript**, with expertise in **Spring Boot**, **Django**, and **React**. Skilled in **Agile**, **SDLC**, **CI/CD**, **Version Control**, **Docker**, and **Azure DevOps**, with strong problem-solving abilities and proficiency in **OOP**, **algorithms**, and **design patterns**.

EDUCATION

Masters in Computer Science | California State University San Marcos | GPA: 3.95 Aug 2023 – Dec 2025

Bachelors in Computer Science | Bangalore Institute of Technology | GPA: 3.3 Aug 2017 – May 2021

SKILLS

Programming Languages: Python, Java, JavaScript, C++, HTML, CSS
Database: SQL, MySQL, PostgreSQL, MongoDB
Cloud & DevOps: AWS, Snowflake, GIT, CI/CD, Docker, Jenkins, Kubernetes, Jira, Confluence, Airflow, XAMPP, Autosys, Informatica, Putty
Frameworks: Django, FastAPI, Flask, Spring Boot, React JS, NumPy Operating
Systems & Servers: Linux, Apache, Nginx, Redis
Data Visualization & Analytics Tools: Power BI, Tableau
Certifications: Data Science with Python and Machine Learning, LPL Financial Hackathon

WORK EXPERIENCE

Genpact Private India Ltd | Technical Associate | Bangalore, IN Aug 2021 – Aug 2023

- Proficiently utilized **Microsoft SharePoint** for website and application **development and management**.
- Applied **ETL** processes in **Informatica PowerCenter** for data **extraction, transformation, and processing**, including Source to Target mapping, code migration, version control, and scheduling, following **ETL best practices and standards**.
- Executed a **cloud migration** project, ingesting historical data from **Oracle** to **Snowflake** and setting up structures for decommissioning on-premises servers
- Implemented **data quality, data validation, and technical checks** between **Oracle and Snowflake** to ensure data integrity across platforms.
- **Designed and scheduled** data feeds using **Airflow** for seamless data extraction and transformation, with comprehensive documentation of each development stage.

PROJECTS

Automated Loan Processing | GitHub | Python, AWS S3, Django, React.js

- Built a loan application system with a Django backend and React frontend, using Tesseract OCR for automated extraction of applicant information from uploaded ID documents and W2 forms.
- Enabled efficient data verification and processing by automating the extraction and validation of key information, streamlining the loan application workflow.

Decentralized Sports Betting App | GitHub | JavaScript, Solidity, React.js, Node.js, PostgreSQL

- Developed and deployed a fully functional decentralized sports betting app on the Sepolia testnet.
- Engineered bug-free solidity contract and integrated it with a user-friendly front end with react and Node.js runtime, while storing the data in the PostgreSQL database.

Survey Platform and Smishing Simulator | GitHub | JavaScript, React.js, Node.js, AWS S3, AWS Lambda

- Developed a secure, scalable platform for creating and analyzing surveys, like Qualtrics, allowing users to design customized surveys and access analytics.
- Integrated a smishing simulator feature that lets users generate simulated smish messages with customizable sender details, message content, and realistic links, providing hands-on anti-smishing training.

Detection of Zero-Day Security Threat | Python, Machine Learning, JavaScript

- Built a machine learning program to detect zero-day security threats, applying various algorithms to enhance accuracy. Responsible for data preprocessing, model development, and creating visual aids like system architecture diagrams. Published a paper on findings in IJCESR.

Vehicle Monitoring System | GitHub | Python, Image Processing, IoT

- Developed a license plate recognition system leveraging Python, Tesseract, and OpenCV to automatically detect and extract license plate information for vehicle monitoring.
- Integrated IoT technologies to enable real-time monitoring and streamlined data processing for efficient vehicle tracking and management.