Dhruv Patel

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SKILLS

Languages & Tools: Apex, Java, Python, HTML5, CSS3, JavaScript, GitHub, Postman, Apache Tomcat, Flow, Workflow Rules, Process Builder, Triggers, Sandbox Development, Schema Builder, Dashboards, Data Loader.

Frameworks & Libraries: Lightning Web Components, Visualforce, Hibernate, Flask, ReactJS, pandas, numpy.

Cloud Platforms: AWS (RDS, S3, VPC, EC2), Azure, Google Cloud.

Database management: SOQL, SOSL, SQL, MySQL, PostgreSQL, PL/SQL.

Certifications: Salesforce Platform Developer I, Salesforce Administrator.

EXPERIENCE

BISAG India

Salesforce Developer *May 2021 − May 2022, Full-time*

- Managed & developed custom Salesforce apps using Apex, Lightning Web Components, trigger,and Bulk APIs to enhance custom built functionality.
- Optimized SOQL and SOSL queries, boosting performance by 25%.
- Added apex unit test classes averaging 80% of code coverage.
- Integrated with external product APIs via REST and SOAP for data transfer and automation.
- Collaborated with cross-functional teams to debug and resolve Salesforce issues during the SDLC.
- Participated in code reviews focused on DML efficiency and governor limit management.
- Delivered tasks efficiently in sprints by utilizing point & click tools in an Agile (Scrum) environment.

PROJECTS

Security Evaluation of 5Greplay Fuzzer on 5G network | MS Research

- Executed replay attacks using **fuzzing** techniques to identify and reduce potential security vulnerability and threats to 5G network.
- Analyzed pcap files using **Wireshark** on a live 5G core network & Performed positive and negative testing using multiple fuzzers on SuperMicro and Dell Core framework to ensure system against inputs.
- Utilized 5Greplay **Docker** container & Bash commands in **Linux** environment to perform the experiments.

Fake News Detection using Machine Learning Algorithms | *GitHub* | *Report*

- Delivered **94.47%** of highest accuracy with models like **KNN, Decision Tree, Random Forest, Gradient Boosting** & **Passive Aggression** on a balanced dataset.
- Preprocessed and trained on a dataset with equal distribution of a Real **(50.1%)** and Fake **(49.9%)** news article, used **pandas, NumPy** & **scikit-learn** libraries for data visualization, preparation, and training.

Tarot: weaving stories | *GitHub* | *Report*

- Developed a REST API with **Flask** for interactive tarot-based storytelling and enhancing 70% user engagement. Generated 90% similarity compared to original research paper results using a **JSON** Schema.
- Introduced features to draw 1 or 3 tarot cards for personalized and humorous Text, improving user experience.

JavaFeast: order management application | *GitHub* | *Report*

- Designed a dining management application using Java, **Hibernate ORM**, and Apache Tomcat with **Postgres** DB in an **MVC model** that that enables 50% faster order processing and receipt generation, 30% of more efficient menu editing & applying discounts.
- **CRUD** operations were executed using **Java Persistence API (JPA)** and build functionality for historical price updates with a price change of the product & Implemented unit tests covering 30% of the code with **JUnit**. Maintained session & cookies of the user.

EDUCATION

California State Polytechnic University Pomona **Aug 2022 - Dec 2024**

Masters of Science (MS) — Computer Science

CGPA: 3.62/4.0