Amirishetti Harshavardhan

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Education

Visvesvaraya National Institute of Technology, Nagpur   GPA: 7.55/10.00
Bachelor of Technology in Computer Science   *June 2018 - June 2022*

Technical Skills

Languages: Java, C++, PHP, Javascript, Python.

Frameworks: Spring Boot, Spring Security, JPA, Hibernate.

Databases: MYSQL, PostgreSQL, Redis.

Technologies: Django, Firebase, REST APIs, JSP, Servlets, Docker, GitHub, AWS, Bootstrap, Postman.

Relevant Coursework: Data Structures and Algorithms (C++), Design & Analysis of Object Oriented Programming, Advanced Web Programming, Database & Management Systems, Operating Systems.

Work Experience

Software Engineer   June 2022 – June 2023
Undostres   *Mexico City, Mexico*

- **Implementation of PayPal Payment Gateway**
  Techstack: PayPal SDK, REST APIs, Springboot, Java, JPA, JPQL, Postman.
- Integrated the PayPal payment feature within the Undostres app, orchestrating tokenization and bill creation processes during checkout.
- Engineered an optimized flow using PayPal REST APIs,resulting in a significant reduction in payment processing time from **1.5 minutes to 10 seconds**.

- **OTP Authentication and User feedback for credit cards**
  Techstack: Java, Springboot, Spring-MVC, AWS, Firebase, Postman, Twilio-API, Swagger-UI.
- Constructed OTP authentication functionality for credit card, login, and registration workflows using various SDKs. Implemented the management of user feedback for credit card requests and introduced a multi device OTP rejection feature for added security.

- **Fraud Prevention for new registration and referral abuse**
  Techstack:: PEOPLE API, OAuth2, MYSQL, PHP, Postman.
- Assumed the role of a Full-stack Developer within the CS team and systematically addressed and mitigated the referral abuse challenge. Instrumental in achieving a **35% reduction in referral abuse** through the implementation of targeted solutions.
- Spearheaded the automation of gender and date of birth (DOB) storage for Google Login, enhancing efficiency in user data management. Designed and executed an optimized database schema tailored for the storage of intricate user registration and login details.

Software Engineer Intern   Jan 2022 – April 2022
Undostres   *Mexico City, Mexico*

- **Streamlined Movie Ticket Booking**
  Techstack: PHP, AWS S3bucket, Figma, AJAX, GIT, Bootstrap, HTML, JS.
- Developed an automated pipeline for streamlined movie ticket bookings, integrating with diverse ticket booking APIs. Implemented file retrieval from AWS S3 bucket and display in the transaction history alongside redeem codes.

- **Transaction Failure Messaging Feature**
  Techstack: PHP, AWS Cloudwatch, MySQL, HTML, CSS, JavaScript.
- Revamped user feedback procedures for credit card requests through the deployment of an automated mailing system. This optimization facilitated rapid responses to customer queries,resulting in a substantial **30% improvement in customer satisfaction**.
- Engineered a robust OTP authentication feature for seamless credit card, login, and registration processes by integrating Firebase and Twilio SDKs; **resulting in a 45% reduction** in fraudulent activities and enhanced user security.

Projects

Movie Recommendation web Application | *Django, REST API, JavaScript, HTML, Bootstrap, CSS.*
- Developed a Movie recommendation application which works similar to IMDB website for suggesting Movies and giving similar movie recommendations based on the genre of the movie.
- Implemented Token based Userlogin and Authentication and features like watch trailer, add to watch list.

Real Time Credit Card Transaction Fraud Detection (BTP) | *Python, Flask, Jinja2, Firebase, Bootstrap.*
- Spearheaded the development of a robust fraud detection system for online transactions, addressing the shared liability concerns between card issuers and merchants.
- Enhanced security measures by implementing a token-based authentication mechanism, providing users with unique client IDs and tokens for secure access to the system.
- Delivered a client data output containing detailed information about identified fraudulent transactions, thereby aiding businesses in promptly addressing potential risks.

Achievements

- Named Best Performing Employee at Undostres for consistent dedication, outstanding productivity, and impactful contributions.
- Attained a remarkable All India Rank of 960 among 2 million applicants in JEE-MAINS 2018, showcasing exceptional skills and standing out among a competitive pool.
- Achieved a LeetCode rating of 1447, resulting in top 6425 globally, demonstrating strong coding and problem-solving skills.
- Secured AIR of 11 and 21 among 10000 participants consecutively for 2 years in SICHO.
- Secured the position of Runner-up in the INTER NIT Volleyball Championship, showcasing skill and teamwork on a national level.
- Received a scholarship for outstanding performance in State Board Secondary School Exam 2016, acknowledging academic excellence.