Sambhav Jain

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Technical Skills

Programming languages: Python(primary)
Framework/Libraries: Django(Experienced), Reactjs, Pandas, NumPy, matplotlib
Development tools: PyCharm, Postman, Jenkins,Git, Jupyter Notebook, VS Code
Other tools: AWS Services, Jira
Database: SQL(MySQL), NoSQL (Dynamodb)
OS: Windows, MacOS
CS Constructs: Data Structures & Algorithm, SDLC, OOPS

Work Experience

ApniBus, SDE 1[Backend Developer]   [25 August 2023]

- Created DjangoRest API for commuter and operator applications.
- Conducted workflow analysis, identifying bottlenecks, leading to a 40% productivity improvement and 50% reduction in turnaround times.
- Managed and optimized cron and celery servers, achieved 10% reduction in task execution times and a 15% improvement in overall system performance metrics.
- Engaged in debugging activities, contributing to a stable application environment with a 20% reduction in bug incidents.
- Assumed DevOps responsibilities, addressing server-related issues, achieving 99.9% server uptime on celery.
- Spearheaded the creation of a robust reporting section for operators, resulting in a 30% increase in data visibility and analytics.
- Implemented throttle and auth guard mechanisms, enhancing API security and control, achieving a 25% reduction in unauthorized access incidents.
- Developed the entire backend flow for gamification, contributing to a 15% increase in user engagement.
- Designed and established a data synchronization API for real-time ticket syncing, improving overall system efficiency by 20%.

Nykaa E-Retail Pvt Ltd, SDE Intern[Backend]   [4 July 22- 4 july 23]

- Conducted a detailed analysis and optimization of API code across Python, PHP, and Java stacks, resolving small code maintenance issues. This initiative led to a 20% enhancement in API response times and a 10% decrease in error rates, significantly improving the system's efficiency.
- Led the successful migration of key Magento APIs (Generate OTP, Resend OTP, Check Customer Existence, Account Deletion Cron, etc.) to the Django stack, resulting in a 30% improvement and a 20% reduction in error rates.
- Assisted in the migration of MD5 to Bcrypt password hashing for Nykaa's website on both mobile and desktop platforms using a Python script, ensuring secure password storage.
- Resolved OTP issues and addressed day-to-day bugs, resulting in a 15% improvement in system stability.
- Created scripts for pushing data from DynamoDB stream to Data Warehouse (DWH), improving data processing efficiency by 25%.
- Added Rate Limit API to enhance system security and stability.
- Utilized skills in Python, Django, Jenkins, Git, AWS, MySQL, DynamoDB, and DWH throughout the project.

Springfield Olympiad[2020] - Short term Web Designing internship

- Designed UI of web pages of geek portal using AdobeXd
- Applied skills in HTML, CSS, and UI designing to create visually appealing and user-friendly interfaces, contributing to a 20% increase in user engagement and positive feedback.

EDUCATION

OP Jindal University (OPJU), Raigarh, Chhattisgarh   **2019-2023**
B.Tech in Computer Science Engineering (CSE)
CGPA: 8.88

Course/ Certification

- **E & ICT Academy, IIT Kanpur** - Fundamentals of Python Programming
- **Udemy** - Introduction to Django
- **NPTEL** - Data Science using Python
- **Hackerrank** - SQL Hackerrank certificate

Academic Projects – Major

- Covid Spread Prediction
  To prevent and predict the spread of the deadliest virus in the last few years years using SEIAQRDT model which uses differential equations which also predict when will the spread comes to end.
- Live Project of Website Development

  Allcompressimage.com - Free and fast website for compress image size Using Reactjs

  Sambhavjain-portfolio.netlify.app - Portfolio website made Using Reactjs

  [Responsive clothes website (organic-clothes.netlify.app)](organic-clothes.netlify.app) - Basic Ecommerce website Using HTML, CSS

- Face Recognition Website
  Recognise student face with trained data and mark their attendance automatically using python and Opencv

Achievements

- **OPJU scholarship of Rs. 40000/ for two consecutive year**
- **Head Boy of a school and got a best leadership award**

Links

- **Linkedin**
- **Portfolio Website**
- **Geeksforgeeks profile**
- **Hackerrank**
- **Github**