

SHIV PRATAP SINGH

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EXPERIENCE

Amazon India

Development Support Engineering Intern

January – June 2023

Bangalore, Karnataka

Integrate SonarQube as pipeline approval step

- I designed and implemented a user-friendly and visually appealing dashboard that provided an overview of the code quality and health of all the team packages.
- The dashboard included key metrics, such as code coverage, code duplication, and code smells, allowing for quick identification of areas that required improvement.
- Tech Stack: Java, AWS: RDS, IAM, EC2, VPC, Amazon Route 53, AWS CloudFormation, Elastic Container Registry, Amazon Federate.

Enable Server side input validation

- Removed unused dependencies and resolved major version conflicts to enhance project efficiency.
- Implemented integration tests to identify and handle exceptions at the server end, ensuring robust error handling.
- Invalid input is validated at server end. Developed validation filters to intercept incoming requests, enhancing data validation before processing. Utilized Java-based validation libraries and custom validation logic to validate input data comprehensively.
- Tech Stack: Java, Testing.

Bug Fixing and Pipeline Improvement

- Diligently identified critical bugs within the project's pipeline that were causing deployment failures.
- Applied targeted code modifications to address these issues, ensuring that the project could progress smoothly through CI/CD pipeline.
- Introduced automation scripts and processes to facilitate a seamless transition from manual deployments to full Continuous Delivery (CD).

Shepherd Ticket Resolution

- Actively engaged in addressing Shepherd tickets, demonstrating a proactive approach to resolving critical issues that impacted the team's workflow and project progress.
- Leveraged technical expertise in AWS services to develop and implement effective solutions for Shepherd ticket issues.

EDUCATION

ABES Engineering College, Ghaziabad

Bachelor of Technology - Computer Science and Engineering

August 2019 - July 2023

CGPA: 8.0/10.0

TECHNICAL SKILLS

Languages: C, C++, Python, HTML, CSS, JavaScript

Technology: Data Science, Machine Learning

Databases and Tools: MySQL, Postman, Git, Linux, IntelliJ, VS Code, PyCharm

Libraries and Frameworks: React JS, Redux, Tailwind CSS

PROJECTS

OBJECT DETECTION THROUGH LIVE WEB CAM | Deep Learning

August – November 2022

- A Deep learning application for detecting common objects.
- Developed a computer vision project utilizing deep learning techniques to detect and track objects in real-time using a web camera. Implemented the project using Python, OpenCV, and TensorFlow.
- To make user friendly, users can also capture the image and detect all the objects present in that frame.

COVID-19 Data Analysis | Data Science

February - May 2022

- Conducted an in-depth analysis of COVID-19 data, focusing on state-wise, gender-wise, and age group-wise comparisons of cases.
- Leveraged NumPy and Pandas libraries for data manipulation and performed data visualization using matplotlib.
- Extracted valuable insights and trends from the data, helping to understand the impact of the pandemic at different levels.

ACHIEVEMENTS

- 5 Star in Problem Solving at HackerRank
- 5 Star in Python at HackerRank
- 5 Star in SQL at HackerRank
- Solved various problems on different platforms as link mentioned below
- HackerRank, GFG, Leetcode

CERTIFICATIONS

- Basics of Amazon CloudWatch, Amazon CloudWatch Dashboard, Open Source policy training, Amazon Security and Awareness.
- Completed 6 Certification Course from NPTEL for completion of my honours degree.
- Data Science and Machine Learning from IT Training and Skill Building Cell, ABES Engineering College, Ghaziabad.
- Programming Essentials in Python from Cisco Networking Academy.
- Introduction to Networks from Cisco Networking Academy.
- Programming for Everybody (Getting Started with Python) from Coursera.
- HTML, CSS, and Javascript for Web Developers from Coursera.