Gaurav Singh Bhadauria

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EDUCATION

Aravali College of Engineering and Management,   Aug 2020 – May 2024 | Faridabad, India
B.Tech in Computer Science Engineering (AIML)— CGPA : 8.39 / 10

PROFESSIONAL EXPERIENCE

QA Trainee, *Bug Hunters Private Limited*   Feb 2024 – Present | Faridabad, India
- Developed a Python automation framework, to reducing test script creation and maintenance time by 20%.
- Created a Self Healing Algorithm using ML for CICD infrastructure reducing deployment failures by 96%.
- Shipped Session Management feature for intuitive session management utilizing web driver cookies.
- Collaborated with Devops team to integrate self healing machine learning algorithm in existing infrastructure.
- Tech stack : Python, Selenium, GitLab, Unittest, Machine Learning, React, Flask, Docker, Flask, Render, Azure Devops

Software Developer Intern, *Extension Technologies*   Jun 2023 – Dec 2023 | Faridabad, India
- Led the development of various ERP projects, enhancing web apps and integrating them with mobile apps.
- Optimized application performance by implementing a session API to consolidate data requests and smart filters for efficient data handling; achieved an impressive 25% decrease in loading time, enhancing user experience.
- Set up CI/CD pipelines to juggle multiple client projects simultaneously, catching and fixing bugs along the way.
- Tech stack : Python, Javascript, Frappe, Linux, GitLab, Grafana, DigitalOcean.

SKILLS

Languages:
Python, SQL, JavaScript, HTML, CSS

Frameworks:
Pytorch, Unittest, Django, Frappe, REST Framework, FastAPI

Developer Tools:
Selenium, Git, Docker, AWS, Google Cloud, VS Code, Postman, Grafana, Render

Miscellaneous:
Linux, Data Structures and Algorithms, STLC, NumPy, OOPS, Machine Learning, OpenCV, Jira, Framer

PROJECTS

BugLens: Chrome Extension, *Python, ReactJs, ML, Axios, Flask*   Mar 2024 – present
- Developed a chrome extension aimed at enhancing website security & reducing the attack surface by 36%
- Integrated ML models using pytorch to predict potential security vulnerabilities and recommendations

AutoPrioTest: ML Automation, *Python, React, Axios, Flask, scikit-learn*   Feb 2024 – Mar 2024
- Integrated React frontend with Flask backend, utilizing Flask for running machine learning logic and ensuring secure communication, supported by Axios for efficient HTTP requests.
- Trained a Logistic Regression model to automate test case prioritization, achieving a substantial 40% acceleration in the testing process.

Facesync: Attendance System, *Python, OpenCV, Pillow, MySQL*   Feb 2022 – Oct 2022
- Developed a platform to mark and track attendance in real time using Facial Recognition and Deep Learning
- This solution accelerates the process by 40%, compared to conventional methods, ensuring precise and swift attendance recording and analysis.

ACHIEVEMENTS

Rankholder - ACEM
- Secured 6th rank in university B.Tech CSE(AIML)

CP Platforms, *LeetCode | Codechef*
- gaurav_b22(3Star) | 400+ submissions & solved 180+ advance DSA problems

IoT Lead - ACEM, *Google Developers Student Club*
- Mentored 30 peers in group projects, enhancing reasoning capabilities and promoting collaboration.

Certificates
- GDSC Core Team (Mentor) | JPMorgan Virtual Training (Trainee) | GoldmanSachs Virtual Training (Trainee)

Google Cloud Skills Boost
- Earned 12+ skill badges, securing 13th place on the leaderboard, demonstrating proficiency in diverse GCP tasks.