

PRITHA HOWLADAR

PYTHON DEVELOPER

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Results-driven Python Developer with 4 years of experience, specializing in web application development, automation, data analytics, AI/ML integration, and software optimization. A graduate from Indian Institute of Technology (IIT) Roorkee, adept at leveraging Python to enhance efficiency, automate processes, and develop scalable applications. Proficient in Django, Flask, Pandas, NumPy and RESTful APIs with a proven track record of improving system performance and productivity. Experienced in Bash scripting for automation and system administration.

SKILLS

Programming Language:

Python, Java, C++, MATLAB

Library:

Pandas, NumPy, Matplotlib,

Seaborn, Scikit-Learn, SciPy

Plotly, BeautifulSoup,

TensorFlow, Keras, PyTorch,

Opencv **Framework:**

Django, Flask, Selenium, Behave,

FastAPI **Front-End:**

HTML, CSS, Bootstrap,

JavaScript, jQuery

Database: MongoDB,

SQLite, MySQL **DevOps &**

Cloud: Docker, Kubernetes

Tools:

Tableau, Power BI

Version Control:

Git

EDUCATION

B. Tech

Indian Institute of Technology

(IIT) Roorkee

2017– 2021

EXPERIENCE

APPLICATION DEVELOPER

JULY 2021– PRESENT

Citi Corp

- Designed and maintained **4 monitoring applications**, reducing system downtime through proactive issue detection and alerting.
- Developed and deployed **automated ETL pipelines** in Python for MongoDB, PostgreSQL and SQLite, increasing data processing efficiency.
- Engineered and optimized a **data visualization tool** using Pandas, NumPy, Seaborn and Matplotlib improving analytical reporting speed by **50%**.
- Integrated **ML-based anomaly detection algorithms** into monitoring applications, enhancing system performance monitoring.
- Automated repetitive tasks using Python scripting, saving **20+ hours per week** by eliminating manual code investigation.
- Developed **end-to-end web applications** using Django and Flask, reducing **development time** with reusable code structures.
- Implemented **automated testing suites** in Selenium and Python for **three critical projects**, reducing software bugs by **25%**.
- Led a team in troubleshooting and debugging web applications, resolving **95% of reported issues** within SLA limits.
- Worked with **RHEL Virtual Machines, cron jobs, and Autosys** to automate task scheduling and workflow execution.
- Collaborated in Agile environments, utilizing Git, JIRA, and SDLC methodologies to enhance development efficiency.

SUMMER ANALYST

MAY 2020 – JUNE 2020

Citi Corp

- Designed an **Automated Test Case Generation Algorithm** for the FIX engine, improving test coverage by **40%**.
- Developed an **Error Detection Algorithm** leveraging **machine learning techniques**, reducing debugging time.
- Built a **Django-based web application** for algorithm implementation, streamlining the error detection process.

DEVELOPER (PART-TIME)

JUN 2018 – DEC 2020

ProfCess

- Designed and maintained a **fully functional recruitment platform**, using **Django (backend) and Bootstrap, JavaScript, jQuery (frontend)**, increasing client engagement by **50%**.
- Developed **authentication systems, CRUD functionalities**, and data management tools, enhancing user experience.
- Integrated **AI-based recommendation systems** to improve job matching efficiency.