

9627805857
Bageshwar, Uttarakhand
deepakchandrapandey221@gmail.com

Deepak Pandey

hackerrank.com/profile/21mcc2045
github.com/deepakpandey221
linkedin.com/in/deepakpandey221

Experience

Summer Intern

LinuxWorld Informatics

3 months

Jaipur, Rajasthan

- Engineered real-time S3 to SNS notifications using boto3 in AWS to promptly alert on object changes, ensuring efficient monitoring.
- Designed a covert SSH network with 4 proxies, enabling secure client connections without their awareness.
- Created a Python CGI web interface to enable remote command execution; decreased response time by 30%.

PHP Trainee

Infowiz

2 months

Chandigarh

- Developed 10+ web applications using PHP and implemented APIs with PHP frameworks like Laravel and CodeIgniter.
- Designed and crafted 15+ responsive web interfaces using HTML, CSS, and JavaScript, collaborating with designers for accurate execution.
- Managed and optimized MySQL databases with over 100 tables, enhancing performance and ensuring data security through comprehensive validation and sanitization techniques.

Skills

Languages & Libraries

Python, SQL, Bash, HTML5, CSS, Javascript

Cloud & Containers

AWS, Linux, Docker, Apache, Nginx, Ansible, Gitlab, Git, CI/CD

Projects

Rambo - Backup and Restore software

- Built a software solution for seamless backup and restore, utilizing algorithms to ensure 99.9% data protection and achieving rapid recovery within minutes.
- Implemented Python for AWS S3 integration, ensuring dependable backup storage with user accessibility.
- Boosted backup speed with rsync, achieving up to 11x faster performance than scp and 8x faster than cp.

DockEase - Container Management System

- Programmed an innovative web application for container management, enhancing user experience with a 40% reduction in complexity.
- Enabled Docker container management on AWS, optimizing the database to cut data replication by 30%.
- Deployed an integrated Linux terminal, boosting customization capabilities by 50%.

LinuxXpress - GUI For Linux

- Crafted a menu-based GUI desktop app for Linux, enabling one-click access to applications and instant notifications via email and text SMS on AWS, yielding a remarkable 40-50% time savings for users.
- Empowering ML tasks, gesture control, and a Docker web app, potentially slashing Docker webpage usage by 50-60%.
- Technology Used** : Python, Linux v9, Docker, Numpy, Pandas, OpenCV2, Tkinter

Education

Chandigarh University

- Master of Computer Application
- CGPA : 7.6

Chandigarh

08/2021 - 08/2023

Chandigarh University

- Bachelors of Computer Application
- CGPA : 7.1

Chandigarh

08/2018 - 08/2021

Certifications

- Linux System Administrator v9
- Mastering Programming with Python
- PHP by Infowiz Software Solution July 2019
- HTML, CSS, and JavaScript for Web Developers from John Hopkins University by Coursera in June 2020

Achievements

- Member of the district-level kabaddi team that won the championship, playing a key role in securing victory against 8 other teams.
- Secured 1st place in the National Science Olympiad (School Level) for exceptional scientific knowledge.