

Krishna Kumar Verma

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TECHNICAL SKILLS

Programming Languages: Python, C++

Libraries & Frameworks: FastAPI, Django, Pandas, Matplotlib, Web Scraping, Machine Learning

Cloud & Infrastructure: AWS-EC2, Nginx, CI/CD, Docker, PostgreSQL, SQL

DevOps & Security: Linux, Shell scripting, Git, Iptables, Suricata, Pfring, Putty

WORK EXPERIENCE

Software Developer (R&D)

Jan 2023 - March 2024

Whitelint Global Pvt Ltd, New Delhi

- Developed Wafer, an embedded Linux solution, to thwart malware threats like ransomware, viruses, trojans, and worms. Implemented a real-time packet filter to actively detect and block malicious packets, preserving network integrity and confidentiality.
- Developed and deployed a robust Azure IoT Hub script for seamless live monitoring and real-time data transmission from Linux systems to an Azure database, handling data ingestion, processing, and storage efficiently while optimizing scripts for low latency and high performance.
- Created Flask web app for remote network configuration via SSH, facilitating easy management of static and dynamic IPs.
- Organize and handle bugs and issues reported from users, continuously update software to meet client needs.

Software Engineer

Jun 2022 - Dec 2022

Sofcon India Pvt Ltd, New Delhi

- Developed a comprehensive data science training program, integrating Python and libraries like NumPy, Pandas, Matplotlib, and Scikit-learn to teach data analysis, API design, and machine learning.
- Designed and executed industry-relevant projects, focusing on API development, data analysis, and visualization to solve real-world client challenges, providing hands-on experience and practical exposure to data-driven solutions.

Data Science Training

Almabetter

- Fundamental of python programming, Library (numpy, pandas, matplotlib, seaborn, sklearn), Machine Learning, SQL, Excel and Data Analysis, Data Modeling, Data Visualization and Math of Data Science.

EDUCATION

Rajkiya Engineering College

Roberts Ganj, Sonbhadra

Bachelor of Technology in Electronics Engineering

Aug 2017 - Aug 2021

PROJECTS

- **HOTEL BOOKING ANALYSIS**, The project entails Python-based data analysis of hotel bookings, involving processes like importing data, cleaning, preparation, and visualization. It explores factors influencing bookings in city and resort hotels, emphasizing anonymity of personal data. [GitHub](#)
- **WEATHER DETECTION**, Developed a temperature and humidity measurement prototype with Arduino UNO microcontroller and specialized sensors, enabling real-time data collection for environmental monitoring, showcasing sensor technology integration.
- **Market Mood Index (MMI) Scraper and Analysis System**, Developed a system to scrape, store, and analyze TickerTape's Market Mood Index (MMI), providing real-time MMI data through an API, storing historical data, and enabling trend analysis for market sentiment insights.

CERTIFICATION

- Python [Link](#)
- RestApi [Link](#)
- Data Analysis [Link](#)

ACHIEVEMENTS

- 5-Star Python Rating on HackerRank