

KIRAN S R

Aspiring Software Developer / Python & Java Enthusiast

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Summary

Mechanical Engineering graduate with a strong passion for software development and hands-on experience in Python and Java. Holder of multiple HackerRank badges. Adept at problem-solving and analytical thinking, gained through 2+ years as a Site Engineer. Eager to contribute as a software developer in a dynamic tech environment.

Projects

YouTube Video Downloader (Python)

- Built a Python-based tool to download YouTube videos and merge audio/video streams
- Handled encrypted video downloads and implemented a real-time progress display
- Integrated high-resolution video and audio using third-party libraries (e.g., pytube, ffmpeg)

Exam Mock-up Website (Django)

- Developed a mock exam website with customizable question sets
- Built backend using Django to manage users and question databases
- Used Selenium to scrape and parse questions and answers from online sources
- Implemented a time-bound mock test feature

Skills

Programming Languages: Python, HTML, CSS

Frameworks: Django, Selenium, PostgreSQL

Version Control: Git

Tools & Technologies: GitHub, Web Development

Other: Strong understanding of data structures, algorithms, and web development principles

Key Achievements

🏆 Gold Badge – Python Programming (HackerRank, Oct 2023)

🏆 Gold Badge – Python Coding Challenges: Data Structures & Algorithms (HackerRank, Sep 2024)

Experience

QA Engineer

VizExperts, Mumbai, Maharashtra | Jan 2024 – Oct 2024

- Provided quality assurance for software projects
- Collaborated with developers to identify and resolve issues

Site Engineer

Quality Metal Works L.L.C, Ajman, UAE | Jan 2021 – Mar 2023

- Oversaw construction and manufacturing projects, ensuring timely completion and compliance with technical specifications.
- Collaborated with cross-functional teams, improving coordination and problem-solving.
- Gained experience managing workflows, troubleshooting, and implementing efficient practices—skills now applied in software development.

Education

B.Tech in Mechanical Engineering

Mar Athanasius College of Engineering, Kothamangalam | Aug 2015 – May 2019

Higher Secondary Education (CBSE), Science

Dr GR Public School, Neyyattinkara | Jun 2013 – May 2015

Certifications

Python Basics – HackerRank (Oct 2023)

Python Programming – Tandem Institute (Jul 2019 – Oct 2019)

Java SE – G-Tec Computer Education (Nov 2019 – Jan 2020)