

AKSHAY PIRANAV BEEMARAJ

Software Development Engineer Intern

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Summary

With 11 months of experience as a **Software Development Engineer intern**, strong knowledge in **Python development** was gained. This period involved working on **enterprise-level** IT projects, building scalable and efficient solutions for large-scale applications. Additionally, several college projects were successfully completed, further strengthening skills in software development and problem-solving.

Skills

Python Django FastAPI • Flask Celery Redis • Selenium Pytest Docker • Git • Github Nginx MySQL PostgreSQL MongoDB ReactJS Agile •

Experience

Quarksek Technologies Eijipura, Bengaluru, India
Software Development Engineer Intern 2024 - Present

Developed enterprise-level software using Python, including a **command-line interface** and **backend** for a web application.

- Contributed to an automation and testing project, automating backend processes using **Python**.
- Collaborated closely with senior professionals, including the **co-founder** (Head of Security Engineering), **founder** (Security Lead), and **Automation Lead**.
- Enhanced project outcomes by integrating automation tools, streamlining processes in collaboration with the leadership team.

Quantantics Tech Serv Madurai, Tamilnadu, India
Python Developer Intern 2022 - 2022

Developed an energy consumption monitoring system using **Raspberry Pi**, storing data in **MySQL** and visualizing it in **Grafana**.

- Applied machine learning to predict future energy usage trends for industrial environments, achieving 25% more accurate forecasts.
- Collaborated with senior developers, including a **Senior Python Developer** and IoT Developer, to deliver a comprehensive monitoring solution.
- Enhanced system efficiency through predictive analytics and real-time data visualization for effective decision-making.

Projects

Automated Pen Testing Madurai, India
2024

Created a security web app for automated penetration testing and user authentication, **winning a hackathon award and securing an internship**.

- Enhanced **web security** by **30%**, improving **vulnerability detection** and building user trust.

Spotify Playlist Downloader Madurai, India
2024

A web application that enhances music experience by allowing users to manage, search, and download their playlists seamlessly.

- Integrated **Spotify and YouTube** functionalities, enabling users to fetch and download playlist songs, increasing user **satisfaction** by **40%**

Education

Kamaraj College of Engineering and Technology Virudhunagar, Tamilnadu, India
Bachelor's Degree in Artificial Intelligence and Data Science 2021 - Present

Strengths

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| <input type="checkbox"/> Time Management
Ensuring tasks are prioritized to meet deadlines and achieve project goals. | <input checked="" type="checkbox"/> Positive Approach
Approaching challenges with a positive mindset, fostering collaboration and innovation in every project. | <input type="checkbox"/> Efficient Resource Allocation
I prioritize efficient resource allocation, maximizing project outcomes while minimizing costs. |
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Languages

Tamil Native ●●●●● English Advanced ●●●●● Telugu Proficient ●●●●●