

AKSHAY PIRANAV BEEMARAJ

Software Development Engineer Intern

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Summary

With **9 months** of experience as a **Software Development Engineer intern**, strong knowledge in **Python full-stack 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



Time Management

Ensuring tasks are prioritized to meet deadlines and achieve project goals.



Positive Approach

Approaching challenges with a positive mindset, fostering collaboration and innovation in every project.



Efficient Resource Allocation

I prioritize efficient resource allocation, maximizing project outcomes while minimizing costs.

Languages

Tamil Native ●●●●●

English Advanced ●●●●●

Telugu Proficient ●●●●●