

# AKSHAY PIRANAV BEEMARAJ

Software Development Engineer Intern

+91 9025370736 • akshaypranavb@gmail.com • /in/akshaypiranavb • Virudhunagar, Tamilnadu, India

## 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 Rest Framework • FastAPI • Flask • Celery • Redis • Selenium • Pytest • ORM • Web Sockets • MySQL • PostgreSQL • MongoDB • JavaScript • ReactJS • ExpressJS • Bootstrap • NextJS • Prisma • Docker • Git • Github • Postman • Scrum & Agile Methodologies

## 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 ●●●●●