THAKSHITH B K

Software Developer | Backend • Automation • Python

Backend-focused software developer with hands-on experience in Python, automation, test publishing workflows, and full-stack web development. Skilled in building internal tools, optimizing workflows, and developing server-side features. Strong at debugging, problem-solving, and delivering reliable systems. Seeking roles in Backend Development, Software Development, or Automation/QA Development.

CONTACT INFORMATION

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SKILLS

- Languages: Python, PHP, JavaScript
- Web: HTML, CSS, jQuery
- Database: MySQL
- Tools: VS Code, WSL (Linux), GIMP
- Concepts: Backend development, automation, code evaluation, performance measurement, API workflows
- Soft Skills: Teamwork, Communication, Problem-solving

WORK EXPERIENCE

Software Developer — Oliveboard Comptech Pvt. Ltd.

2024 – Present

- Managed the complete test publishing lifecycle, including app creation, configuration, data upload, and deployment.
- Automated multiple manual workflows using Python, PHP, MySQL, HTML, CSS, and jQuery, improving operational efficiency by 40%.
- Developed internal tools used by content, tech, and operations teams daily.
- Enhanced platform reliability by debugging backend logic and optimizing scripts.
- Collaborated with cross-functional teams to deliver scalable, production-ready tools.

Key Projects at Oliveboard:

- **Template Automation Tool -** automated generation of webinar creatives (push notifications, banners, popups, PPTs, and social media assets) using Python + HTML, CSS + JS, eliminated hours of manual design work.
- **CSV Report Downloader Tool -** built backend & frontend modules to generate & download CSV reports for custom date ranges; reduced manual reporting time significantly.
- **Notes Generation and Upload Tool -** automated conversion of PDFs to images and embedding them into HTML for dynamic content display; accelerated note upload and publishing.
- **PDF Link Manager -** built a tool to store/retrieve PDF links from the DB and integrate content into learning flows.
- **Interview Slots Generation Tool** - Engineered an Interview Slot Generation Tool that programmatically generates conflict-free interview schedules using faculty availability constraints, ensuring unique course interviews per user and preventing overlapping time slots.

Backend & Front-End Development Intern — Oliveboard Comptech Pvt. Ltd.

Jan 2024 – Mar 2024

- Built backend modules to measure execution time and memory usage of user-submitted programs.
- Created server-side code template generators and real-time evaluation systems.
- Developed small-scale web applications like resume builders and frontend pages.
- Strengthened full-stack skills using Python, HTML, CSS, JavaScript, jQuery.

Internship Projects:

- **Execution Performance Tracker**—a backend feature to measure user code performance in real time.
- **Code Template Generator**—automated code snippet generation deployed on server.

Network Engineer Intern — Quadgen (A Mastec Company)

June 2023 – July 2023

- Worked across RF, Ericsson, Nokia, and Small Cell teams.
- Hands-on experience with RAN tools like Quest, PuTTY, CLI, IBWave.
- Learned DAS and Small Cell planning workflows.

PROJECTS

AES-256 RTL Implementation on FPGA—Academic Project

- Designed and optimized AES-256 encryption hardware on Altera DECA MAX-10 FPGA. Reduced area usage and validated performance. Funded by KSCST Innovation Grant

EDUCATION

Bachelor of Engineering (B.E), Electronics and Communication Engineering

Rajarajeswari College of Engineering, Bangalore | 2019-2023

- CGPA: 9.0/10.0

PUC, Science Stream

Shri Bhagawan Mahaveer Jain College, Bangalore | 2018-2019

- Percentage: 73%

SSLC (10th Grade)

Shree Skanda Central School, Bangalore | 2016-2017

- CGPA: 10.0/10.0

ACHIEVEMENTS

- Improved workflow efficiency by 20% using automation tools.
- Participated in Smart India Hackathon (SIH).
- Secured government funding for an FPGA-based AES project.
- Appeared for NTSE (Grade 10).
- Active interest in sustainable farming & organic cultivation.