

AKASH SINGH

Software Engineer | Gurgaon, Haryana, India

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Professional Summary

Dynamic Software Engineer with a proven track record at Nokia and Knoldus Inc., specializing in Python automation, web application development, and MySQL. Adept at enhancing productivity through innovative solutions and effective collaboration. Skilled in automation testing, consistently delivering high-quality results while driving continuous improvement in software processes.

Skills

Python	MySQL	HTML / CSS
JavaScript	PHP	Selenium
Linux	GitHub	GIT
Automation / Manual Testing	PL / SQL Database Programming	JUnit / TestNG
Cross Browser Testing	GitHub Actions	GitLab

Work History

Software Engineer 02/2024 to Current

Nokia Solution & Networks – Gurgaon, Haryana, India

STCS (Payroll Company for Nokia), Kalkaji, New Delhi [Full Time]

Assigned to Nokia, Gurgaon, Haryana [Full Time Contract]

Employed by STCS and assigned to Nokia as a Software Engineer, focusing on software development, task automation, and scripting. While my official title at STCS is Network Engineer, my role at Nokia primarily involves developing web and desktop applications, creating Python automation scripts, and integrating tools for enhanced productivity and efficiency.

Key Contributions:

- Developed a *Lab Management Tool* for lab booking with real-time email alerts and an admin panel.
- Built an *Inventory Management Tool* for real-time tracking and bulk Excel data handling.
- Created an *E-Learning Video Website* featuring admin/user panels for training content.
- Automated data workflows in *Salesforce* using Selenium, Python, and task scheduler.
- Enhanced network analysis with an *Interior Gateway Protocol (IGP) Topology Visualization Tool* that processes multi-vendor LSDB outputs.
- Delivered *Employee and Audit Management Tools* for efficient operations at KIA Networks and Walmart.

Technologies Used: PHP, Python, MySQL, JavaScript, HTML/CSS, Selenium, AI tools (ChatGPT, Claude etc.).

TEST AUTOMATION ENGINEER (Intern)

02/2023 to 11/2023

Knoldus Inc. | Part of NashTech – Noida, Uttar Pradesh, India

Gained expertise in manual and automated testing for websites and mobile applications, ensuring software quality through rigorous validation and continuous improvement.

Key Contributions:

Knoldus Go1Percent Website:

- Developed and executed automation scripts to rigorously test the company's website, uncovering and addressing critical issues.

Loblaws and Shoppers Drug Mart Website and Application:

- Developed automation scripts for production and QA website testing, ensuring platform reliability.
- Automated testing for Android and iOS apps across multiple brands, improving release efficiency.
- Integrated automated testing with CI/CD pipelines, reducing deployment issues.
- Conducted detailed analysis of project reports, contributing to code refactoring and performance enhancements.

Joe Fresh Website:

- Managed daily CI/CD pipeline execution, created automation scripts, and actively participated in resolving daily pipeline execution reports.

Education

Integrated B.C.A. + M.C.A: Computer Science and Engineering

06/2018 to 06/2023

Galgotias University - Greater Noida, India

- Final Grad: 82 %

Personal Projects

1. Real Time Virtual Mouse System using Hand Tracking Module: 08/2022 to 05/2023
 - Virtual mouse development using Python, OpenCV, MediaPipe, Hand Tracking Module, and PyAutoGUI.
2. Automated Attendance System using Face Recognition: 01/2021 to 03/2022
 - Reduced manual effort in student attendance using face recognition in real time.
 - Technologies used are Python, MySQL, OpenCV, PyQt.
3. Desktop Assistant: 05/2020 to 01/2021
 - Developed a voice assistant in Python to automate system tasks.
 - Continuously enhancing it with new modules and security features for improved function

Accomplishments

- Hacktoberfest 2020: Completed and received swag in the open-source virtual festival by Digital Ocean.
- AI from the Data Center to the Edge: Certified after clearing the exam for the course.
- Oracle Academy: Certificate earned for proficiency in PL/SQL Database Programming Semester 2.
- AWS Cloud Practitioner Essentials: Completed with AWS training and certification.
- ICSI | CNSS Certified Network Security Specialist: Completed the course and received certification.
- Python 101 for Data Science: Successfully completed with outstanding performance.