


# MITU KUMARI

Senior Software Engineer | Automation specialist

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## SUMMARY

With over 3 years of experience as a Python developer and proven expertise in automating test frameworks, I am passionate about delivering efficient testing solutions. I am seeking a challenging role within a dynamic organization where my technical skills and problem-solving abilities can drive meaningful contribution to business growth.

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer

2024 - Present

#### INCEDO

 Gurugram

Worked on developing scalable workflow automation solutions using Python.

- Currently leading the ongoing NETSNMP migration project, collaborating with global teams to enhance early fault detection mechanism and developing end-to-end functional test-cases with a focus of ~95% coverage.
- Collaborated with global teams throughout the entire application lifecycle to improve software manual testing and increase automation, contributing to the Fastpath v8.9 upgrade and release.
- Enhanced the industrial protocol automation system by developing core application functionality and ensuring quality maintenance to facilitate early bug detection.
- Increased Profinet automation coverage by ~40% significantly boosting the system's efficiency.
- Developed automation for high-severity customer bug reports, leading to a ~10% Increase in coverage and establishing safeguards to prevent similar issues from recurring in the future, thereby improving system's robustness.

### Software Engineer

2021 - 2023

#### INCEDO

 Gurugram

Worked as Automation test Engineer expertise on Networking protocols

- Delivered end-to-end functional test case automation for Industrial protocols- Ethernet/IP and Profinet- from scratch.
- Contribution in creating a local regression setup to enable thorough testing of code changes prior to release. Fixed ~20% of script issues, leading to improved quality and stability of the master branch.
- Optimized automating customer bugs to avoid any similar vulnerability in future
- Owned responsibility for Quality assurance for the Industrial Protocols in Fastpath upgrade and customer Releases
- Practiced & specialize in developing well-structured, functional, automated, and error-resilient testable code to ensure high quality and reliability
- Awarded with the Innovative and Customer Excellence Award-thrice

### Python Developer Intern

2020 - 2months

#### HEXAWARE

 Bengaluru

- Developed a search engine along with machine learning
- Worked on creating a Text Based Search Engine Tool using Python Modules.
- Optimized the Text as user input and finding the exact match in the given data file. Applied HTML for user interaction and projecting the exact match just similar to google search Engine and improved the user input handling.
- Learnt different modules like NLP, Tokenization and HTML integration with Python

## EDUCATION

Bachelor of Technology, Electronics & communication

[Bharati Vidyapeeth's College of Engineering, GGSIPU](#)

 New Delhi

## CERTIFICATION

### AI & Machine Learning with Python\*

IIT, Guwahati -Simplilearn, provided a strong foundation in Python programming ,with a specialization in Data Science field and demonstrated excellence in ML models

### Advanced Python Programming

Simplilearn, provided in-depth knowledge and hands-on experience that helped to explore my Python abilities

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## KEY ACHIEVEMENTS

**Spearheaded a software project upgrade** from design to distribution as a senior software engineer in collaboration.

**Developed core automation** for the protocols achieving 40-45% coverage of key functionalities.

**Coordinated two major releases** over two years, achieving a 94% pass success rate

**Served as Creativity Head** at EDC Society, BVCOE Student Chapter for 2 years.

**Volunteered with NGO Katalyst**, empowering engineering girls and contributing to societal development.

## SKILLS

### Coding Language

Python C++ C Java Selenium

### Domain Knowledge

AI & Machine Learning, Computer Networking, HTML, Linux Windows, Industrial Protocol

### Language

English, Hindi, German

## STRENGTHS

### Detail-Oriented

Able to catch bugs in code before deployment, resulting in ~20% less testing time.

### Team Player

Collaborated with cross-functional teams to achieve 100% project completions.

### Problem Solving

Resolved script fixes reducing downtime by 30%.

## PASSIONS

### Data Analysis

Always enjoyed practicing my coding skills with various programs.

### Outdoor Activities

Balance out my screen time with hiking and playing badminton.

### Interests and Hobbies

Trained Kathak dancer