

# S Lokesh

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## Summary

I'm a Computer Science graduate with expertise in Java, Python, SQL, and Machine Learning, holding a B.Tech degree with a CGPA of 8.35. I've gained valuable experience through internships at Cognizant and TabTree, specializing in TestNG, automation testing, Python, and MongoDB. Notable accomplishments include successful projects like "Heart Attack Prediction using Machine Learning" and a published research paper titled "Genetic BEE Optimized Recurrent Network for Lung Cancer Detection." I'm a Microsoft Azure Fundamentals certified professional and actively participate in AI workshops, including one on Jetson Nano.

## Education

- **Dr.MGR Educational and Research Institute, Chennai** (2019 - 2023)  
B.Tech Computer Science Engineering | CGPA 8.35
- **Apollo Vidyashram, Chennai** (2018)  
12th / HSE | CBSE | CGPA: 6.00 / 10.00
- **Bhashyam Public School, Rajahmundry** (2015)  
10th | BSEAP | CGPA: 8.30 / 10.00

## Skills

- Java ★★★★★
- Python ★★★★★
- SQL ★★★★★
- Machine Learning ★★★★★
- Web Development ★★★★★
- Automation Testing ★★★★★

## Internship

- **Cognizant — SDET (Software Development Engineer in Test)** - 24 Jan, 2023 - 31 Aug, 2023

Key Skills: Java, JavaScript, Selenium, SQL, TestNG, Automation Testing, Spring Framework

- Project Work: Collaborated with multiple teams and mentors on diverse projects, focusing on automation, manual, and unit testing.
- Automation Testing: Utilized Java and Selenium to create and execute automated test scripts, significantly improving testing efficiency.
- TestNG: Developed and executed test cases using TestNG, streamlining the testing process and ensuring robust test coverage.
- Website Development & Deployment: Engaged in the design and development of website interfaces, incorporating JavaScript, SQL for database connectivity, and the Java Spring Framework for deploying applications.
- Quality Assurance: Applied the Spring framework to enhance testing methodologies and ensure consistent quality in deliverables.
- Mentorship & Collaboration: Gained valuable insights from experienced mentors, contributing to the successful completion of complex testing projects.
- Technical Documentation: Documented test plans, test cases, and project progress, providing clear communication across teams.

- **TabTree** - 01 Jul, 2022 - 01 Sep, 2022

Python Developer Intern

Key Skills: Python, MongoDB, REST, HTML, CSS and JSON

- Developing CRUD using Flask & MongoDB and Fully Functional Application. Frontend (HTML, CSS and JS) & Backend (Flask, MongoDB, Rest API).

## Projects

- **ITCA Satellite Launch** - 16 Feb, 2022 - 29 Aug, 2022

Key Skills: Fusion 360, Satellite Payload

- Part of the Team Developed Student designed satellite on The Honourable PM of India Narendra Modi Initiative to launch 75 Satellites designed by students.

- Improved data handling efficiency and security through Data integration and Cloud Technology.

- **Heart Attack Prediction using Machine Learning** - 09 Feb, 2022 - 23 May, 2022

Mentor: Syed Ali and Dr.S.Mohandass | Team Size: 3

Key Skills: Python, Data Science, Data Analytics and Machine Learning

- We developed a Machine Learning model predicting heart attacks from the dataset and gave a better accuracy compared to all other references using Random Forest and some Ensemble algorithms

## Publications / Research Papers

- **Genetic BEE Optimized Recurrent Network based Lung Cancer Detection** - 15 May, 2022

Research Paper | World Journal of Engineering Research and Technology (WJERT)

Mentor: Dr. K. Devi | No. of Authors: 4

Lung cancer is one of the severe issues in healthcare applications that occurs in smoking people. The disease requires immediate treatment to avoid serious issues. Therefore, several researchers focus on the automatic cancer detection system; however, the existing systems fail to concentrate on the exact disease-affected region prediction.

This causes a reduction in the efficiency of cancer prediction accuracy. To overcome these issues, this genetic bee-optimized recurrent network is applied to improve the overall prediction accuracy.