

# Surampudi Lokesh Ratna Teja

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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

## Internship

- **Cognizant** - 24 Jan, 2023 - 31 Aug, 2023  
  
SDET (Software Developer Engineer as Tester)  
Key Skills: Java, PHP, Selenium, SQL, TestNG, SoapUI, Automation Testing and Spring  
  
- Gained hands-on experience in TestNG, automation testing, and the Spring framework.  
- Actively contributed to manual and automation testing efforts, utilizing TestNG for test case development and execution.  
- Worked with Java, JavaScript, Selenium, and other relevant technologies for automation testing projects.  
- Developed insights into the application of the Spring framework in software testing and quality assurance.
- **TabTree** - 01 Jul, 2022 - 01 Sep, 2022  
  
Python Developer Intern  
Key Skills: Python, MongoDB, REST, HTML, CSS, PHP and JSON  
  
• Developing CRUD using Flask & MongoDB and Fully Functional Application. Frontend (HTML, CSS, PHP and JS) & Backend (Flask, MongoDB, Rest API).

## Certifications

- **Microsoft Azure** Fundamentals az-900  
Key Skills: Microsoft Azure, Cloud-Computing, Cloud Services and Artificial Intelligence  
  
Microsoft Azure & AI Fundamentals Certification course was completed from Microsoft
- **IELTS**  
Score : Speaking - 6.5, Reading - 6.5, Writing - 7.0 and Listening - 8.0  
  
Overall Score : 7.0 Bands  
  
Test Date Dec 2023 IDP-IELTS

## Skills

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

## 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.