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

Skills

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

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).

Projects

- **Hospital Database Management Website** - 16 Nov, 2022 - 29 Dec, 2022
  Key Skills: PHP, SQL, HTML and CSS

  • Developed a PHP-based hospital database management website, enhancing data organization and accessibility for healthcare institutions.

  • Improved data handling efficiency and security through SQL integration.

- **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

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

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.

Trainings / Workshops

- **Getting Started with AI on Jetson Nano Institute Name:** SRM Institute Of Science and Technology, Chennai - 10 Mar, 2022 - 12 Mar, 2022
  Key Skills: Python Pycharm Data Science Machine Learning

  I participated in the workshop conducted by SRM Institute of Technology, Vadapalini Collaborated with NVIDIA. Using Nvidia Jetson Nano we developed a model for classification and image identification