Kishan Kumar

Systems Engineer

WORK EXPERIENCE

Tata Consultancy Service (TCS) Lucknow, Gomti Nagar, Uttar Pradesh

Systems Engineer — Jan 2025 – Present

- Engineered backend services using Java, delivering scalable and efficient enterprise applications that supported over 10,000+ users with 99.9% uptime.
- Architected and optimized MySQL databases, boosting query performance by 30% and enhancing data integrity across critical business modules.
- Coordinated with cross-functional teams to enhance system functionalities by 25%, promptly diagnosing issues and deploying high-impact solutions aligned with business objectives.
- Elevated code quality and application performance by implementing best practices, conducting weekly code reviews, and adhering to agile principles, reducing bug rates by 20%.

CERTIFICATION

DATA SCIENCE | IBM — May 2020 – Jul 2020
Issuing Organization Coursera
Certification: Link

MACHINE LEANING | STANFORD UNIVERSITY — Jul 2020 – Oct 2020
Issuing Organization Coursera
Certification: Link

COURSE ON PYTHON | GOOGLE — Apr 2020 – Jun 2020
Issuing Organization Coursera
Certification: Link

PROGRAMMING IN JAVA | MICROSOFT — Apr 2020 – Jun 2020
Issuing Organization EDX
Certification: Link

PROJECTS

1. HANDWRITTEN DIGIT RECOGNITION DEEP LEARNING PYTHON PROJECT

- Improved the recognition accuracy from a baseline of, say, 85% to an impressive 93% accuracy, signifying a substantial boost in performance.
- Reduce the average response time for recognizing and displaying a digit from 2 seconds to just 0.5 seconds, enhancing user satisfaction.

TECHNOLOGIES USED

• Deep Learning • TensorFlow • Numpy • Pandas • Machine Learning
• Python • Artificial Neural Networks

2. TOMATO LEAF PREDICTION - MINI PROJECT

- Developed a deep learning model achieving a 95% accuracy rate in predicting tomato leaf health and classifying diseases, including early or late blight.
- Collaborated in a 4-member team, contributing to developing CNN-based Machine Learning model with impactful results.

TECHNOLOGIES USED

• Deep Learning • TensorFlow • CNN • MNIST • ReactJs

3. PLANT LEAF DISEASE DETECTION - MAJOR PROJECT

- In this project, we've enhanced our Tomato Leaf Disease Detection to cover 15 plant types with 39 disease classes.
- In that project, we trained our model using a training dataset containing 61,486 images. We found that the model accuracy reached 96 to 98 percent.

TECHNOLOGIES USED

• Deep Learning • Machine Learning • CNN • Pytorch (torchvision) • Flask

CONTACT

- +91-7317629681
- mailkishankumar6@gmail.com
- https://github.com/kishan-k9/
- https://www.linkedin.com/in/kishan-kumar-kk/

EDUCATION

Master of Computer Application (MCA)
Kamla Nehru Institute of Technology, Sultanpur
Nov 2022 – Jun 2024
CGPA – 9.07

Bachelor of Computer Application (BCA)
DDU Gorakhpur University
Gorakhpur, U.P
Aug 2019 – Jun 2022
Percentage 74.26%

Intermediate (12th)
Mahatma Gandhi Inter College
Gorakhpur, U.P
Jul 2018 – Jun 2019
Percentage – 70%

High School (10th)
SDDT Inter College
Gorakhpur, U.P
Apr 2016 – May 2017
CGPA – 9.8

SKILLS

Hard Skills:

- Python
- ML Algorithm
- Data Science
- Flask
- Rest API

***Techniques*:**

- Predictive Analytics
- Google BigQuery
- Data Visualization

Tools and Software:

- VS Code
- Python
- ReactJs
- Android Studio
- Google Colab
- Jupyter Notebook