

Dinesh Balivada

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[LinkedIn Profile](#) • [GitHub Profile](#)

EDUCATION

Indian Institute of Technology Madras

Chennai, India

Bachelor of Science, Data Science and Programming

2021-2025

The National Institute of Engineering

Mysuru, India

Bachelor of Engineering, Computer Science and Engineering

2020-2024

WORK EXPERIENCE

NOKIA NETWORKS AND SOLUTIONS

2024 | Bangaluru, India

- Currently working as Augmented Automation Student Trainee for a period of 6 months.
- Hands-on experience on Microsoft Power Platforms (including Power BI) and trainings on Microsoft Azure Cloud Services.
- Orchestrated a transformative project leveraging Power Apps and Power Automate software to incorporate Large Language Models for security governance and application evaluation, streamlining processes and saving 25 hours weekly in review time.
- Facilitated in framing the design documents, development and analytics of automated framework around LLM and its output which achieved 88% accuracy.
- Developed and integrated the framework in collaboration with Automation and Software Development teams to test applications through LLM.

PROJECTS AND ACHIEVEMENTS

CUSTOMER REVIEW MLOPS

2024 | Bangaluru, India

- Implemented Linear Regression on a small dataset of Customer Reviews predicting the review score for the next order or purchase.
- The motive of the project is to implement the concepts of MLOps using ZenML and MLFlow.
- The project has two pipelines namely Training and Deployment Pipeline.
- The Training pipeline implements ingest data, clean data, train model, evaluation and is visualized in ZenML dashboard.
- The Deployment was done locally with the help of MLFlow.
- [Customer Review](#)

DIABETIC RETINOPATHY DETECTION

2023 | Mysuru, India

- The agenda of the project is to demonstrate the use of Convolutional Neural Networks (CNNs) in classifying the intensity of Diabetic Retinopathy.
- The application is in the form of a website where the user provides an image of a retina.
- The CNN model achieved an accuracy of 90% in the testing dataset.
- This machine learning model for the project uses Python libraries such as OpenCV and PyTorch. The website used FastAPI, NodeJs, and Daisy UI in collaboration with a team of 2 more colleagues
- [Diabetic Retinopathy GitHub Link](#)

CENTURITON HACKATHON

2022 | Bangaluru, India

- Developed a job recommendation system that uses cosine similarities to match job seekers with relevant job openings in their localities.
- Collaborated effectively with team members in a time constrained environment to establish on a full stack project with a classical machine learning model built from scratch.
- The model uses Python SciPy library. The frontend for the website implements HTML, CSS, and JavaScript.
- [centuRITon Hackathon Certificate](#)

SKILLS AND INTERESTS

Technical Skills with competency: Python: Pandas, Scikit-learn, Flask, MySQL, Mathematics and Statistics for Data Science, Data Structures and Algorithms, Large Language Models & Prompt Engineering

Technical Skills with basic working knowledge: Tensorflow, Microsoft Power Platforms, Microsoft Azure

Language Skills: English, Telugu, and Hindi.

CERTIFICATIONS

- 🏠 [Foundation in Mathematics and Statistics for Data Science](#) | IIT Madras | December, 2021