

# PRAJVAL P

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## Profile Summary

A dedicated and conscientious software developer with 2.7 years of experience building high performance applications and APIs. With a passion for learning and growth, I am currently pursuing my Masters in Data Science at MAHE.

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## Work Experience

### Systems Engineer

Aug, 2023 - Present  
Aug, 2021 – Aug, 2023

- **Assistant Systems Engineer**

Tata Consultancy Services Ltd

- I develop **REST and SOAP APIs** using Tibco Business Works for **Payment Services, CRM, ITSM and Utility** purposes.
- I leverage a range of technologies including **Active Spaces Data Grid, Oracle Database, FTL, Kafka, and Salesforce** plug-ins for **handling and processing data**, and work with tools such as **SQL developer, Splunk, JIRA and Bitbucket** to ensure efficient development and deployment.
- Awards: **Special Initiative Award and Star of the Month Award**.

### Intern

Jun, 2020 – Nov, 2020

Lithoera Technologies Pvt Ltd

- During my internship, I worked on the **DNN Design project aimed at enhancing Object Detection** in airport runway operations. The project involved testing object detection algorithms using the **TensorFlow** framework, and I worked alongside a team for 5 months to achieve our goal.
  - Our work culminated in the publication of a research paper in the December 2020 issue of the **IJARIIT Journal**. (Paper: <https://rb.gy/ol2f4>)
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## Education

### Master of Science, Data Science

CGPA: 8.7

2022 – Present

Manipal Academy of Higher Education

### Bachelor of Engineering, Electronics and Communication

CGPA: 7.23

2017 – 2021

APS College of Engineering

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## Skills

- Programming Languages & Frameworks: **Python, R, MySQL, C, C++, TensorFlow and PyTorch**
  - Deep Learning, Neural Networks, EDA, Data Visualization, ML Models and MS Excel
  - **Linear models, Multivariate Analysis, Stochastic models, and Sampling methods**
  - Collaboration, Problem-solving, Adaptability, Critical Thinking and Active Listening
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## Projects

- **DNN Design for Object Detection in Airport Runway Operations**

Paper: <https://rb.gy/ol2f4> and Repo: <https://tinyurl.com/yuaek2tw>

- **Driver Drowsiness Detection and Alarm System**

It was developed using non-intrusive machine vision-based concepts. The system deals with using information obtained for the binary version of the image to find the edges of the face, which narrows down the area of where the eyes may exist. Considering the knowledge that the eye regions in the face present great intensity changes, the eyes are located by finding the significant intensity changes in the face. Repo: <https://tinyurl.com/2zxur4nr>

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## Certifications/ Courses

- **Microsoft Certified: Azure AI Fundamentals- AI900** (2021)
- **Deep Learning Specialization** by deeplearning.ai on Coursera (2020)
- **DeepLearning.AI TensorFlow Developer Professional Certificate** on Coursera (2020)