# ASHWIN KUMAR

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## Summary

Dynamic and motivated student with a strong passion for AI. Proficient in leveraging AI technologies to solve complex problems. Seeking opportunities to apply AI expertise and further develop skills in a collaborative and innovative environment. For details, click here.

## Work Experience

**Open Source Contributor Intern - Girl Script Summer of Code** May 2023 - July 2023

Implemented SVM analysis on diabetes datasets to enhance machine learning capabilities in the Mind Waves repository.

## Projects

Student-Proctor-Management-System Github

- **Technologies**: Bootstrap , PHP , MySQL
- The Student Proctor Management System is a web-based application developed for our college to manage student records efficiently. It allows administrators and proctors to log in and perform various tasks such as storing student details.
- Selected as the best DBMS project within the department.

Underwater Animal Classification Github

- **Tech Stack**: Python, Numpy, Pandas, Streamlit, scikit-learn, MLflow , TensorFlow
- Led the development of an underwater animal classification project using the ResNet-50 model. Orchestrated data preprocessing, model training, and deployment phases. Leveraged MLflow for precise experiment tracking and model management. Implemented a centralized configuration file ('config.yaml') for streamlined artifact and configuration management. Successfully deployed the model via Streamlit, providing an intuitive user interface for predictions.

Object-Detection Github

- **Tech Stack**: Python, OpenCV , SSD MobileNet V3 model
- Developed real-time object detection system using pre-trained SSD MobileNet V3 model and COCO dataset, achieving accurate detection in live video streams.

## Education

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| 2021 - Present | Bachelor's Degree at **Bangalore Institute of Technology** | (CGPA: 8.38/10.0) |
| 2020 | Class 12th Central Board of Secondary Education | (Percentage: 86/100) |
| 2018 | Class 10th Central Board of Secondary Education | (Percentage: 88/100) |

## Skills

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| Programming Languages : | Java, C, Python. |
| Database : | SQL |
| Version Control : | Github |
| Libraries and Frameworks : | TensorFlow, PyTorch , Pandas , NumPy , Scikit-learn , MLflow , DVC |