

# Sushant Sabale

B.Tech Undergraduate

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## PROFILE SUMMARY

Specializing in Artificial Intelligence & Data Science with strong knowledge of OOP concepts and Database systems. Skilled in building REST APIs and Microservices within Agile environments, as well as integrating AI/ML concepts into backend applications, with a strong interest in developing intelligent, scalable, secure, and maintainable server-side architectures.

## EDUCATION

**[2023 – 2026]** – B.Tech in Artificial Intelligence & Data Science, AISSMS IOIT, Pune

CGPA: 8.11/10; Coursework: OOP(C++, Python), DSA, DBMS, Operating Systems, AI, ML

**[2021 – 2023]** – Diploma in Information Technology, Government Polytechnic, Solapur

Percentage: 88.19/100; Coursework: OOP(C++, Java), C, DSA, DBMS, Operating Systems, Computer Network

## SKILLS

- **Programming Languages:** Java, C++, Python, C, JavaScript, SQL, HTML, CSS
- **Frameworks & Libraries:** Spring Boot, React, Hibernate, Scikit-learn
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Version Control:** Git, GitHub
- **Cloud & DevOps:** AWS, Docker, CI/CD
- **Data analysis Tools:** PowerBI, Tableau

## PROJECTS

**AI-Based Helmet Monitoring System for Construction Sites** [\[GitHub\]](#)

Tech Stack: Python, YOLO, React, REST APIs, MongoDB, MySQL

- Built a helmet detection model with 93% accuracy for identifying non-compliant workers in construction environments
- Integrated a real-time email alert system and a visual dashboard for continuous monitoring of safety violations.
- Deployed the models and databases on the cloud using a microservices-based architecture to ensure scalability, availability and remote accessibility.

**Job Portal and Resume Scoring System (Java & NLP)** [\[GitHub\]](#)

Tech Stack: Java, Spring Boot, React, MySQL, MongoDB, Python



- Designed and developed backend services using Spring Boot for authentication, resume management, and scoring operations.
- Matched resumes with job descriptions using cosine similarity and logistic regression.
- Designed a hybrid database architecture using MongoDB and MySQL to support efficient storage and retrieval of structured and unstructured data.

**Multi-Store Jewellery Management System** [\[GitHub\]](#)

Tech Stack: PowerBI, Java, Spring Boot, Hibernate, MySQL, REST API

- Developed REST APIs for CRUD operations, with automatic routing to the correct store database
- Designed a PowerBI Dashboard to summarize monthly report of sales and customer reviews.

## CERTIFICATIONS

-  Deep Learning with PyTorch – IBM(Coursera) [🔗](#)
-  AWS Academy Graduate – AWS Academy Cloud Foundations [🔗](#)

## PARTICIPATIONS

-  AI BioHackathon Competition [IIT (BHU)] [🔗](#)
-  PICT – Dataquest [🔗](#)