

# SUSHANT LANGHI

sushant.langhi05@gmail.com | (+91) 9022864373

 [www.linkedin.com/in/sushantlanghi](https://www.linkedin.com/in/sushantlanghi)

 [www.github.com/sushanttx](https://www.github.com/sushanttx)

## SKILLS

- ❖ Programming Languages: Java, Python, C++, HTML, CSS, JavaScript.
- ❖ Frameworks and libraries: Spring Boot, ReactJS, Next.js.
- ❖ Databases: MySQL/SQL, PostgreSQL, MongoDB.
- ❖ Developer Tools: VS Code, Eclipse, IntelliJ IDEA
- ❖ Version Control, Cloud Platforms and Containerization: Git/GitHub, AWS, Docker.
- ❖ Operating Systems: Linux, Windows.

## EDUCATION

- ❖ Computer Engineering | PICT, Pune. CGPA: 7.55 | 2021 - Present
- ❖ XII (SSC) | Fergusson College, Pune. 80% | 2019 – 21

## ACADEMIC PROJECTS

- *We Collab - Full Stack Web Application*
  - ❖ Built an **AWS file storage system** with **React.js** frontend, **Spring Boot** backend, **AWS S3** for storage, **AWS RDS** for identification, and **Docker** for containerized **Elastic Beanstalk** deployment.
  - ❖ Developed a scalable Spring Boot 3 and React.js app, leveraging S3 and RDS to **reduce file retrieval time by 30%**.
  - ❖ Used Docker to **cut deployment time by 50%** and improve performance.
  - ❖ **Technologies:** Spring Boot 3, React.js, Amazon S3, AWS RDS, Docker, Elastic Beanstalk, Java, JavaScript, HTML, CSS, Git/GitHub.
- *Portfolio - Front End Web Application*
  - ❖ Built a **responsive portfolio with Next.js and Tailwind CSS**, improving load times by **25%** and optimizing SEO and performance with **dynamic routing and server-side rendering**.
  - ❖ Created a visually appealing interface with JavaScript, HTML, and CSS, **boosting user retention by 40%** and managed code on Git/GitHub.
  - ❖ **Technologies:** Next.js, Tailwind CSS, JavaScript, HTML, CSS, Git/GitHub, Vercel.

## INTERNSHIP AND PUBLICATION WORK – (IN HOUSE)

- *Automating Helmet Usage Detection: A YOLOv8 Based Framework.*  
DOI:10.22214/ijraset.2024.61533  
Feb 2024 – April 2024
  - ❖ Implemented the **YOLO v8 model for real-time helmet detection** on Indian roads, leveraging a **CNN-based approach**.
  - ❖ Achieved a high mAP (mean average precision) value up to **80%**, particularly for critical classes like number plate, rider, and helmeted face, showcasing **robust object localization and detection**.
- *The Potentials and Security of Smart Contracts.*  
DOI: 10.13140/RG.2.2.28364.83840  
Sept 2023 – November 2023
  - ❖ Understood the capabilities and security implications of **smart contracts** within **open distributed networks** like cryptocurrencies.
  - ❖ Identified the role of smart contracts in automating and securing business agreements, **improving efficiency and reliability by 90%**.

## RELATED COURSEWORK

- *Data structures and algorithms, DBMS, Operating Systems, Data Science, Machine Learning.*