



# Varad Mashalkar

Curious, enthusiastic, goal-oriented individual with a passion for learning and knowledge application. Lifelong learner with a will-do attitude, eager about analysing, debugging, innovating, and exploring solutions with a strong user focus

## Contact Details:

Mail: varadmash2201@gmail.com

Phone: +91 82756 47109

LinkedIn: [www.linkedin.com/in/varad-mashalkar](https://www.linkedin.com/in/varad-mashalkar)

GitHub: <https://github.com/VaradMash>

## Education

Sr.No.	Education (University/Board)	School/College	Grade/CGPA
1	BE - IT with AI/ML Honours (4 <sup>th</sup> Year, SPPU)	Pune Institute of Computer Technology	CGPA: 9.812*
2	HSC (12 <sup>th</sup> , 2019)	Rajeev Gandhi E-Learning Academy	84.62%
3	SSC (10 <sup>th</sup> , 2017)	SPM English Medium School	96.00%

\*Cumulative till 5<sup>th</sup> Semester

## Work Experience

### Product Development Intern AlgoAnalytics Private Limited (09/2021 – 04/2022)

- AI Powered Video Surveillance Product
- Application front-end and back-end development using Python and MongoDB
- Improvement of existing Computer Vision models and implementation of new inferencing algorithms using YOLO, sklearn frameworks
- Code optimization for edge devices
- On site product demonstration and deployment
- Product presentation at NTT Data SIG for Computer Vision Acceleration

### Android App Development Intern Zuv Foundation (05/2021-07/2021)

- Developed prototype for location aware Android application for Woman and Child Safety
- Technology Stack: Java, XML, Firebase
- Implementation of continuous location monitoring and relevant data fetching routines from database
- Creation of crime database on Firebase platform

## Achievements

- Qualified for National Defence Academy Interviews
- Qualified for Inter college App development Hackathon finals

## Languages

- English (Full Professional Proficiency)
- Hindi (Full Professional Proficiency)
- Marathi (Native Bilingual Proficiency)
- Sanskrit (Elementary Proficiency)

## Skills

Object Oriented Programming    Android Development

Programming Languages: C++, Java, Python

Databases: MySQL, MongoDB, SQLite, Firebase

Front-End: React.js (Basic), HTML, CSS, Python

Back End: Node.js, ExpressJs

Data Structures and Algorithms

Machine Learning    Computer Vision

## Personal Projects

### QuickCal (Java, XML) (07/2022-07/2022)

- Android Application for quick evaluation of mathematical expression by text selection
- Deployed on Google Play Store

### PIDS (Python, YOLO, JSON) (07/2021-09/2021)

- Computer Vision based Perimeter Intruder Detection System
- Rule based local data storage in JSON format.

### Annadata (Java, XML, Firebase) (01/2021-05/2021)

- Android Application for connecting individuals to reduce food wastage and enable food distribution
- Donation and request privileges for all users

### Assignment Portal (Java, XML) (02/2021-03/2021)

- 2 Android applications for creation and submission of assignments
- Firebase used for database and file storage

### ScanIt (Java, XML, SQLite) (07/2021-07/2021)

- QR Code scanning and generating Android app
- Open-Source dependency integration for QR code scanning and generation