

# Sarwesh Khairnar

[sarweshkhairnar@gmail.com](mailto:sarweshkhairnar@gmail.com) | [linkedin.com/sarwesh-khairnar](https://www.linkedin.com/sarwesh-khairnar) | [github.com/Sarwesh2003](https://github.com/Sarwesh2003)

## EDUCATION

### Vishwakarma Institute of Technology

Pune, IN

*Bachelor of Computer Science, Major in AI & DS, CGPA: 9.14*

*Dec 2021 – May 2024*

Coursework: Data Structures, Algorithms, Database Management, OOP, Computer Networks

### K. K. Wagh Polytechnic

Nashik, IN

*Diploma in Computer Technology, Percentage: 95.37%*

*Jun 2018 – Aug 2021*

Coursework: Data Structures, Software Development, Computer Networks, Mobile Development.

## EXPERIENCE

### JPMorgan Chase & Co.

Jan 2024 – Present

*Software Development Engineer*

*Mumbai, IN*

- Worked on end-to-end development of system features, Developed expertise in Foreign Exchange, contributing to a settlement engine with 700k of daily volume.
- Collaborated with cross-functional teams to optimize the system's performance and enhance its functionality.
- Engineered a database tool to decompress large data blobs, reducing storage requirements.
- Built a utility to visualize settlement life-cycle, improving team understanding of settlement status and history.

## PROJECTS

### DISHA: Facility Locator for Disabled | *Android - Java, Python, Firebase, Maps*

[GitHub](#)

- Designed and implemented a mobile app providing disabled-friendly facility information, benefiting over 2 crore individuals.
- Led the team to win first place in Smart India Hackathon'22, outperforming 58+ teams.

### eTaka: Measure Soil Fertility by Location | *Python, Android, Machine Learning*

[GitHub](#)

- Guided a team in building a system that accurately predicts soil nutrients, fertility, and provides crop recommendations based on soil images and location data.
- Achieved an accuracy rate of 97.5% for nutrient prediction and 96.5% for crop recommendations, with the potential to benefit a significant portion of India's agricultural community.

### Phish-Shield: A Cyber-Security Solution | *Python, Web Scraping, Flask, Machine Learning*

[GitHub](#)

- Phish-Shield is a mobile and web solution to save you from visiting fraud websites.
- Achieved 87% accuracy with model. Also, created a mozilla extension and deployed it to AMO(Addons Mozilla).

## SKILLS (\*self-assessed levels)

**Languages:** Java (*Proficient*), Python (*Intermediate*), SQL (*Intermediate*), JavaScript (*Beginner*), R (*Beginner*)

**Frameworks:** Flask, Spring Boot, Android SDK, React JS, Unittest, Pytest, Scikit-learn

**Tools:** Git, GitHub, Docker, Firebase, VS Code, IntelliJ, R Studio, Android Studio, Google Maps SDK

**Soft Skills:** Innovative Thinking, Communication, Collaboration, Leadership, Learning Agility

## ACHIEVEMENTS

- Led the team to a **victory** in the highly esteemed **Unesco India-Africa International Hackathon**, representing India after being selected from a pool of 3000 Smart India Hackathon participants. Competed against 22 countries.
- Honored with **Gold Medal** by **Vice President and Education Minister of India** for exceptional win.
- Led a team to win the **Smart India Hackathon**, selected from 100+ submissions and 50+ national finalists; demonstrated strong leadership, collaboration, and problem-solving.
- Recognized as the **Best Outgoing Student** among 200+ peers in AI & DS for consistent academic, project, and leadership excellence throughout engineering.
- Published 3 impactful **research papers** in esteemed Scopus journals. Obtained **copyrights** for the solution ideas behind projects "DISHA" and "eTaka."
- Selected among 200+ applicants for J.P. Morgan's "Code for Good".
- Runner-Up in "Pitch-Ally" by AISSMS College and at the National Conference on Emerging Trends in Technology, outshining over 600+ participants combined.