

# YASH RAJU KHOPKAR

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**GitHub:** <https://github.com/yashkhopkar3> | **Portfolio:** <https://yashkhopkar3.github.io/Portfolio>

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## Professional Summary:

Aspiring Software Developer with expertise in Java, JavaScript, JDBC, Servlets, JSP, HTML, CSS, PHP, and SQL. Proficient in object-oriented programming and database management. Proven ability to build and maintain web applications. Experienced in collaborating within teams to deliver high-quality software solutions. Committed to leveraging technical skills and industry knowledge to drive software innovation and excellence. I possess knowledge in key computer science subjects such as Operating Systems, Computer Networks, DBMS, and Advanced Data Structures through coursework and practical experience.

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## Projects:

### Blind Helper (Feb 2023 - Apr 2023)

Engineered an Android application for visually impaired individuals using Android Studio and Java.

- Enabled feature access through intuitive screen swipes and voice commands, significantly enhancing accessibility.
- Conducted usability testing with visually impaired users, resulting in a 25% increase in user satisfaction.
- Collaborated with a team of developers to optimize UI/UX, boosting user engagement by 30%

### Real-Time Sign Language Detection (Oct 2023 - Sep 2023)

Developed a sophisticated real-time sign language detection program utilizing YOLOv5s and Python.

- Applied advanced deep learning algorithms to accurately identify and track hand gestures with 90% precision.
- Integrated the system into smart environments, improving recognition speed and efficiency by 20%.
- Conducted extensive testing to ensure reliability and accuracy in diverse lighting and background conditions.

### Tech Quiz (Mar 2024 - Apr 2024)

Designed and developed an engaging web-based quiz game using HTML, CSS, JavaScript, and PHP.

- Constructed a custom database featuring diverse images of programming languages, game logos, and tech figures, enhancing question variety by 50%.
  - Enhanced user engagement with interactive elements, including background music and animations, increasing average session duration by 15%.
  - Implemented secure user registration, login systems, real-time score tracking, and historical score viewing.
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## Skills:

<b>Programming Languages</b>	: Java, JavaScript, Python, PHP
<b>Web Technologies</b>	: HTML, CSS, JSP, Servlets
<b>Tools</b>	: Git/GitHub, Android Studio
<b>Database Management</b>	: SQL, JDBC
<b>Operating Systems</b>	: Windows, Linux (Fundamental)
<b>Soft Skills</b>	: Team Collaboration, Volunteer Coordination, Communication

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## Certifications:

- Certified in AWS Cloud Practitioner Essentials by AWS (Mar 2024 - Mar 2024)
  - Completed AWS Cloud Quest: Cloud Practitioner Course by AWS (Jan 2024 - Feb 2024)
  - Certified in SQL-Basic by Hackerrank (Apr 2023 - May 2023)
  - Completed JAVA-Basic by Hackerrank (Dec 2022 - Jan 2023)
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## Education:

- **Master of Computer Applications (MCA)** from MIT World Peace University, Pune, India, with a current CGPA of 8.50, Aug 2023 - Jun 2025
- **Bachelor of Science in Information Technology (B.Sc. IT)** from Pillai HOC College of Arts, Science, and Commerce, Rasayani, India, with a CGPA of 9.63, Jul 2020 - Apr 2023
- **HSC (Science)** from Janata Junior College, Khopoli, India, with a percentage of 74.62%, Jun 2018 - Apr 2020