

# OMKAR JOSHI

**Languages Known:** Hindi, English & Marathi

**Date of Birth:** 11<sup>th</sup> April 2001

**Address:** Nagpur, India

**Branch:** Information Technology

## Contact Details

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## Key Skills

Software Engineering & Development

Data Analysis & Visualization

Preparing Documentation & Maintaining Minutes of Meeting

Debugging & Troubleshooting

Testing & Quality Assurance

Code Management

## Certifications

Microsoft Technology Associate- Introduction to Python Programming

Microsoft Technology Associate- Introduction to JavaScript Programming

NPTEL- Design and Analysis of Algorithms

NPTEL-Essential Mathematics for Machine Learning

Google Data Analytics Professional Certificate



## Education

| Course                       | Year        | Institution                                       | Score  |
|------------------------------|-------------|---|--------|
| Bachelor of Engineering (BE) | 2019 – 2023 | Yeshwantrao Chavan College of Engineering, Nagpur | 9.72   |
| HSC                          | 2017 – 2019 | Santaji Mahavidyalaya, Nagpur                     | 83.38% |
| SSC                          | 2017        | Somalwar Nikalas                                  | 89.20% |



## Technical Skills

**Programming Languages:** C/C++, Java

**Scripting Languages:** Python

**Relational Databases:** MySQL, PostgreSQL

**Source Control Tools:** GitHub

**Testing Frameworks:** Unit Testing (JUnit)

**Development Tools:** Spring Tool Suite (Eclipse IDE), Visual Studio Code



## Work Experience

**NielsenIQ, Pune | Software Engineer Intern | Feb 28, 2023 - May 31, 2023**

- Backend team member for **Spring services**, contributing in **RESTful API** development, **bug fixes**, and **database enhancements**.
- Contributed to **migration** from **Netflix Zuul** to **Spring Cloud Gateway**, and **development of two Angular components** for frontend integration.
- Significantly **improved JUnit test coverage**, exceeding 90%, participated in Agile SDLC, participated in code reviews, and managed JIRA tasks in cross-functional project teams.

**Kizora Software, Nagpur | Software Developer Intern | Jan 1, 2023 - Feb 24, 2023**

- Collaborated on a team to create a **web application using TensorFlow, Media Pipe, and Angular** for the user interface.
- Played a role in the development of an **Android application using TensorFlow Lite**.



## Projects

**Influence of change of Strategy for Learning to Rank using TensorFlow-Ranking:** Achieved significantly higher scores and reduced time compared to existing methods predicting around 90% of queries accurately, showcasing innovation and technical expertise

**Neural Network Based Feature Selection for Learning to Rank:** Improved feature relationships and identified better feature subsets with reduced time and complexity, demonstrating advanced understanding of machine learning techniques