OMKAR JOSHI

Languages Known: Hindi, English & Marathi

Date of Birth: 11th 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
12th (HSC)	2017 – 2019	Santaji Mahavidyalaya, Nagpur	83.38%
10th (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

- Part of backend team to manage **Spring services**, contributed to **RESTful API** development, **bug fixes**, and **database modifications.**
- Contributed to **migration** of Services from **Netflix Zuul to Spring Cloud Gateway**, and **development of two Angular components** for frontend integration.
- Extensively worked on Unit testing and 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 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