

# Pushpak Jaiswal

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## Objective

Motivated software engineer skilled in full-stack development (Java, Spring Boot, React) with additional expertise in Python, TensorFlow, and IoT solutions using Arduino. Eager to build innovative and scalable software that drives impactful real-world solutions.

## Skills

- Languages:** Java, Python, JavaScript, HTML, CSS
- Frameworks and Libraries:** Spring Boot, Spring, Hibernate, React.js, TensorFlow
- Databases and APIs:** MySQL, REST APIs, WebSockets, JSON
- Tools and Technologies:** Git, Arduino (IoT), Ollama, Agentic AI

## Experience

### Intern, PW Skills | Remote, India

*Duration: August 2024 – Present*

- I am responsible for creating learning projects that can be taught in their full stack courses and AI/ML courses.

### Development Lead — Tech Support & Contributor, AssetOpsBench (IBM)

**Duration:** July 2025 – Present

- Leading technical support efforts and contributing to AssetOpsBench — an IBM project focused on benchmarking and operational tooling.
- Coordinating with cross-functional teams to integrate features and improve reliability.

### Founder & Manager, techAmigo (Open Source)

**Duration:** July 2025 – Present

- Started and currently managing the open-source organization **techAmigo**.
- Launched the organization's first product: `npx create-server-startup` package to scaffold server starter projects quickly.

## Education

### CSMSS Chh. Shahu College of Engineering

B.Tech in Computer Science and Engineering (2023–2027)

### Deogiri Junior College Chh. Sambhaji Nagar

12th (Science: PCMB) (2021–2023)

### Podar International School

10th (ICSE) (2011–2021)

# Projects

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## Agriflow ML — Benchmarking & Analysis Platform for Agri Models

- Designed and developed **Agriflow ML**, a benchmarking and analytical system to compare model performance across TensorFlow, scikit-learn, XGBoost, and quantized models for agriculture-related tasks.
- Implemented end-to-end pipelines for data preprocessing, training, evaluation, and quantization-aware benchmarking.
- Built the backend with Spring Boot and the frontend with React.js for interactive visualizations and comparative reports.
- Focused on metrics relevant to agricultural ML tasks (accuracy, latency, model size, and inference cost).

## Achievements

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- Secured first place in the College C Genius Competition.
- Won first place in the Engineers' Day Coding Competition.
- Got position 2 times in Hackathons (1 and 2).
- Was 4th in the Matpo programming competition.
- Earned a 5-star rating on HackerRank in Java and C.
- Achieved a 3-star rating on GeeksforGeeks, ranked 1st on the college leaderboard.

## Certificates

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- **Kaggle:** 10 certifications
- **HackerRank:** 9 certifications
- **NPTEL:** 4 certifications
- **PW Skills:** 1 certification
- **Spoken Tutorial:** 2 certifications
- **GeeksforGeeks:** DSA Certificate

## Extra-curricular

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- Vice-Captain, Terra House — Podar International School (ICSE), 2019.
- Played football, basketball, and hockey at divisional level.
- Captain — Hockey team (Under-14), 2018.