# PROFILE SUMMARY

Seasoned AI expert and technical leader with **5+ years of experience** in web development, AI integrations, and strategic technical leadership. Expertise in **Drupal (7, 8, 9, 10), OpenAI models, and AI-driven solutions such as semantic search, machine translations, text-to-speech, and predictive AI**. Proven ability to drive **AI adoption, optimize performance, and deliver cutting-edge client- facing solutions**. Adept at leading cross-functional teams and aligning AI initiatives with business goals.

# TECHNICAL SKILLS

 **Programming Languages:** PHP, Python, Java, JavaScript, React, Node.js

 **AI & Machine Learning:** OpenAI (GPT models, embeddings, fine-tuning), Pinecone (vector databases), GCP ML APIs

 **Frameworks & CMS**: Drupal (7, 8, 9, 10), Node.js

 **Cloud & DevOps:** AWS, GCP, Azure, Docker, Jenkins, Git

 **Databases:** MySQL, MariaDB, MongoDB, Pinecone (vector database)

 **Specialized AI Domains:** Generative AI, NLP, AI-driven personalization, Conversational AI, Voice and Text Search

# KEY STRENGTHS

Expert in **AI-driven solutions & integrations** Strong **technical leadership & mentorship** Skilled in **high-performance system architecture**

Proven ability to **enhance user engagement & AI adoption**

Passionate about **cutting-edge AI & ML advancements**

# KEY AI- POWERED PROJECTS

## Semantic Search Implementation

 **Role**: Technical Architect / Tech Lead (Team Size: 10)

 **Tech Stack**: Drupal 10, OpenAI embeddings, Pinecone, PHP, MySQL

## Impact:

 Implemented **vector-based semantic search** using OpenAI embeddings + Pinecone.  Improved search accuracy, increasing search-driven traffic and lead engagement by

20%.

## AI-Powered Multi-Lingual Framework

 **Role**: Tech Lead / AI Module Developer (Team Size: 8)

 **Tech Stack:** Drupal 10, OpenAI translation models

## Impact:

 Automated **multi-language content workflows,** reducing manual translation efforts.  Ensured high-quality AI-powered translations, improving global content reach.

## Text-to-Speech Integration

 **Role**: Tech Lead / Developer (Team Size: 6)

 **Tech Stack**: Drupal 10, TTS APIs, PHP

## Impact:

 Delivered **voice output interfaces**, enhancing accessibility.  Drove **higher content engagement** through audio features.

## Generative AI Search Engine

 **Role**: AI Solutions Architect / Tech Lead (Team Size: 10)

 **Tech Stack**: Pre-trained Transformer Models, Drupal 10, Pinecone

 **Impact**:

 Designed **context-aware AI search engine,** replacing traditional search.  Elevated user experience with **AI-generated insights.**

## AI Model Fine-Tuning & Optimization

 **Role**: Tech Lead / Developer (Team Size: 7)

 **Tech Stack:** OpenAI model fine-tuning, Python

## Impact:

 Fine-tuned AI models for **cost, speed, and quality balance.**

 Achieved **robust performance and reduced latency**.

## Predictive Text Completion for CMS

 **Role**: Technical Architect / Developer (Team Size: 6)

 **Tech Stack**: OpenAI GPT-based prediction, Drupal, PHP, Python

## Impact:

 Integrated **AI-based text prediction** for content creators.

 **Streamlined editorial workflows,** reducing manual effort.

1. **AI-Driven Personalized Content Recommendations ** **Role**: Tech Lead / Developer (Team Size: 8)

 **Tech Stack**: Generative AI, Demandbase, Drupal 10

## Impact:

 Delivered **personalized AI recommendations**, enhancing user engagement.

 **Boosted conversion rates** with targeted content.

## Real-Time Voice and Text Search POC

 **Role**: Technical Architect / Developer (Team Size: 5)

 **Tech Stack**: OpenAI real-time models, Speech-to-Text APIs, Drupal 10

 **Impact**:

 Developed **dual-mode (voice + text) search** prototype.  Advanced accessibility with **real-time AI interactions**.

1. **GCP Marketplace Integration with Drupal ** **Role**: Lead Developer (Team Size: 7)

 **Tech Stack**: Drupal 10, GCP APIs, PHP, CI/CD

## Impact:

 Enabled **seamless GCP SaaS deployment** via Drupal.  Improved **cloud scalability and automation**.

1. **AI-Powered E-Commerce Checkout Optimization ** **Role**: Lead Developer (Team Size: 6)

 **Tech Stack:** Drupal Commerce, PHP, JavaScript

## Impact:

 Developed **AI-enhanced checkout flows**, optimizing conversion.  Reduced cart drop-offs, **enhancing sales pipeline**.

1. **TechTadka: AI-Powered Mobile & Web App ** **Role**: Tech Lead / Developer (Team Size: 9)

 **Tech Stack:** Drupal 10, React Native, REST APIs

 **Impact**:

 Launched **cross-platform AI-integrated app** (Web + Mobile).  Delivered **unified user experiences** across devices.

## AI-Enabled Customer Experience Center (CEC)

 **Role**: Technical Architect / Developer (Team Size: 11)

 **Tech Stack:** Drupal, AI Integrations, Demandbase

## Impact:

 Built interactive **AI-powered customer engagement platform**.  Enabled **AI-based content personalization** and insights.

## Realtime Conversational AI Bot (CEC)

 **Role**: Technical Architect / Developer (Team Size: 8)

 **Tech Stack:** OpenAI, Vector Databases, Drupal

 **Impact**:

 Developed **voice and text-based AI chatbot** for real-time interactions.  Integrated **advanced voice-to-text and vice versa** capabilities.

# EDUCATION & CERTIFICATIONS

## Education

 **Masters of Science (M.Sc.) in Full Stack Development** | Liverpool John Moores University, UK | Awaiting Degree (2024/2025)

 **Executive Post Graduate (EPG) in Full Stack Development** | IIIT Bangalore | 2023

 **Bachelor of Technology (B.Tech) in Electronics & Communication Engineering** | Poornima College of Engineering, Jaipur (Raj.) | 2016–2020

 **Senior Secondary (PCM)** | Children’s Academy Sr. Sec. School, Alwar (Raj.) | 2016

 **Secondary (CBSE)** | National Academy Sr. Sec. School, Alwar (Raj.) | 2014

## Certifications & Achievements:

 Merit Award in **CyberOps** as an Information Security Expert

 Runner-up in finals of **Global Cyber Space Challenge** 2017–18

 **Best Programmer of the Year** for 2 consecutive years

 **Finalist at ISIE Formula Imperial India**