






Krish Gaur

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EDUCATION

Guru Gobind Singh Indraprastha University
B.Tech, Computer Science Engineering (AI/ML Specialization)

Expected Aug 2026
SGPA: 8.4/10.0

EXPERIENCE

Open Source Developer | *Google Summer of Code, Drupal Association*

May 2024 – Sept 2024

- Built a GPT-based chatbot module using PHP/Symfony that reduced support tickets by 15% for Drupal sites
- Implemented RESTful API integration with OpenAI services and created custom Drupal entity for storing conversation logs
- Enhanced module performance by developing caching strategies that improved response times to under 200ms

TECHNICAL PROJECTS

Drupal GPTBot Module Integration | *PHP, Symfony, Twig, jQuery, RESTful API*

- Engineered a modular chatbot system utilizing Drupal's plugin architecture and dependency injection patterns
- Implemented asynchronous API integration with LLM providers, achieving 15% reduction in support ticket volume
- Optimized performance through caching strategies and connection pooling, resulting in sub-200ms response times

Computer Vision Traffic Analysis System | *Python, TensorFlow, OpenCV, CUDA*

- Built a real-time wrong-way vehicle detection system using YOLOv5 architecture with 87% accuracy
- Designed object tracking algorithms using centroid-based approach and Kalman filtering techniques
- Optimized the inference pipeline with CUDA acceleration to achieve 30 FPS processing on edge devices

Romanji Challenge | *React, TypeScript, React Query, Tailwind CSS*

- Developed an interactive web application for learning Japanese Romanji with gamified testing mechanisms
- Implemented responsive design using Tailwind CSS with custom hooks for improved mobile experience
- Utilized React Query for efficient state management and deployed on Vercel with continuous integration

RESEARCH PUBLICATIONS

Real-Time Wrong-Way Vehicle Detection System | *IEEE ICCCNT 2024*

- Published peer-reviewed research on traffic monitoring system in IEEE's International Conference on Computing Communication and Networking Technologies
- Designed novel detection pipeline combining YOLO architecture with custom trajectory analysis algorithms
- Achieved 95% detection rate in real-world scenarios through optimized computer vision techniques

TECHNICAL SKILLS

Languages: C/C++, Python, PHP, JavaScript/TypeScript, SQL, Bash

Frameworks: Qt, Symfony, React, TensorFlow, OpenCV, Tailwind CSS

Developer Tools: Git, Docker, Linux/Unix, VSCodium, JetBrains Suite, CI/CD pipelines

Databases & APIs: SQLite, MySQL, REST, GraphQL, MongoDB

Methodologies: OOP, Design Patterns, TDD, Agile/Scrum

ACHIEVEMENTS

Selected participant in Google Summer of Code 2024 for Drupal Association

AWS AI-ML Scholarship recipient, ranked in top 10 globally in AWS DeepRacer League

Active open-source contributor through GSoC, Hacktoberfest, and KWoC programs

Technical proficiency demonstrated with 300+ solved algorithmic problems on [LeetCode](#) and [CodeChef](#)