

KSHITIJ SHIVPRASAD GAWANKAR

Computer Engineering
Student

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OBJECTIVE

Aspiring software engineer and GenAI enthusiast passionate about building intelligent systems and developer tools. Seeking a hands-on internship to apply my skills in AI, game development, and embedded technology toward real-world impact.

PROJECTS & EXPERIENCE

Wearable Translation Glasses

Real-time OCR + Translation System with AR Simulation

- Developed modular Python architecture for live translation
 - Implemented camera stabilization and multilingual OCR using EasyOCR
 - Multi-threading for real-time performance & languageswitching
- Tech: Python, OpenCV, EasyOCR, Google Translate API, Raspberry Pi

Neon Tetris Game

Amazon Q CLI Challenge - GenAI-integrated Game

- Built retro-style Tetris with scoring logic and neon visuals
 - Integrated Amazon Q CLI for GenAI-augmented workflows
- Tech: Python, Pygame, Amazon Q CLI

Smart Engine Control System

Helmet-based Alcohol Detection with Engine Lock

- Embedded logic for MQ-3 sensor with GSM alerts
 - Auto-ignition lock and emergency SMS on detection
- Tech: Arduino, Embedded C, GSM Module, MQ-3, Relay

EDUCATION

B.E. in Computer Engineering
Dr. D. Y. Patil Institute of Technology, Pimpri, Pune 2023
- 2027 |

First Year CGPA :-9.795

Second Year CGPA:-9.315

CERTIFICATIONS & WORKSHOPS

- AWS GenAI Labs: Bedrock, SageMaker, Agents workshops
- Google GenAI Virtual Internship (Gemini Certificate)
- Machine Learning for All - University of London (Coursera)
- Google PM Foundations - Coursera
- Infosys Springboard: Java, Cybersecurity, Python
- GenAI for Cybersecurity Analysis- Coursera
- Cystar ESF-IIT Madras Workshop Completion Certification.

TECHNICAL SKILLS

Programming Languages:

Python, HTML, CSS, JavaScript, C++, Java

Tools & Technologies:

Machine Learning, GenAI, IoT, OpenCV, Arduino, Amazon Q CLI

Libraries & Frameworks:

Pygame, EasyOCR, Google Translate API, NumPy, Torch

SOFT SKILLS

- Fast Learner & Adaptable
- Strong Team Collaboration
- Confident Communication
- Curious Problem Solver
- Leadership Potential

ACHIEVEMENTS

- Patent-nominated smart vehicle safety system
- Published Neon Tetris via Amazon Q CLI Challenge
- Core Tech Team Member - Devkraft (campus club)
- Completed Amazon GenAI Agent Labs- Active participant in Google + AWS GenAI events

- Active participant in Google Cloud Arcade event

INTERESTS & HOBBIES

- AI & Machine Learning Research
- Game Development & Interactive Media
- IoT & Embedded Systems- Open Source Contribution
- Chess & Strategic Games

ADDITIONAL PROJECTS

Personal Portfolio Website

- Responsive web design showcasing projects and skills Tech: HTML5, CSS3, JavaScript

IoT Home Automation Prototype

- Basic home appliance control using Arduino and sensors Tech: Arduino, C++, Sensor Integration

Data Visualization Dashboard

- Interactive charts for academic project data Tech: Python, Matplotlib, Pandas

EXPERIENCE & INVOLVEMENT

Core Tech Team Member - Devkraft Club (2024 - Present)

- Organize technical workshops and coding competitions
- Mentor junior students in programming and project development
- Coordinate with industry professionals for guest lectures

Freelance Project Development (2024 - Present)

- Created custom Python scripts for data processing tasks

LANGUAGES

- English (Fluent - Professional Working)
- Hindi (Native)
- Marathi (Native)

ADDITIONAL CERTIFICATIONS

- [Machine Learning for all by University of London](#)
- [GenAI for Cybersecurity analysis by Coursera](#)
- [Cybersecurity Fundamentals by Coursera](#)
- [Programming Using Java Certification by Infosys Springboard](#)

- [Python for Data Science and Analytics- Web Development Fundamentals](#)

- [Cyber Security Foundation certification by Infosys Springboard](#)

TECHNICAL ACHIEVEMENTS

- Maintained 9.59 CGPA throughout engineering program
- Led team of 3 students in Smart Engine Control System
- Presented projects at college technical symposium
- Contributed to open-source projects on GitHub
- Completed 10+ coding challenges on various platforms

REFERENCES

Available upon request

Academic References:

- Faculty advisors from Dr. D. Y. Patil Institute
- Project mentors and industry professionals

Professional References:

- Devkraft club coordinators
- Workshop instructors