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 & language switching
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 | CGPA: 9.59

CERTIFICATIONS & WORKSHOPS

- AWS GenAI Labs: Bedrock, SageMaker, Agents
- Google GenAI Virtual Internship (Gemini Certificate)
- Machine Learning for All - University of London (Coursera)
- Google PM Foundations - Coursera
- Infosys Springboard: Java, Cybersecurity, Python

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

INTERESTS & HOBBIES

- AI & Machine Learning Research
- Game Development & Interactive Media
- IoT & Embedded Systems
- Open Source Contribution
- Photography & Video Editing
- 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 (2023 - 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)
- Developed automation projects for local businesses
- Created custom Python scripts for data processing tasks

LANGUAGES

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

ADDITIONAL CERTIFICATIONS

- Introduction to Cloud Computing (AWS Fundamentals)
- Git and GitHub Essentials for Developers
- Arduino Programming and IoT Development
- Computer Vision with OpenCV
- Python for Data Science and Analytics
- Web Development Fundamentals

TECHNICAL ACHIEVEMENTS

- Maintained 9.59 CGPA throughout engineering program
- Led team of 4 students in Smart Engine Control System
- Presented projects at college technical symposium
- Contributed to open-source projects on GitHub
- Completed 50+ 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