Vipin V Lal

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Career Objective

Seeking an entry-level position in a reputed organization that provides opportunities for learning, innovation, and professional growth, where I can contribute to impactful projects and build a strong foundation in the software industry.

Education

B.Tech in Computer Science and Engineering

Vidya Academy of Science and Technology Technical Campus, Kilimanoor, TVM

APJ Abdul Kalam Technological University

2022 – 2026

CGPA (up to S6): 8.6 / 10

Technical Skills

- **Programming Languages:** Python, C, JavaScript, PHP, HTML, SQL

- **Technologies and Frameworks:** Django, Bootstrap, MySQL

- **Concepts:** Web Development, Computer Vision, DBMS

- **Tools and Platforms:** GitHub, VS Code, Firebase, Canva

- **Additional Skills:** Teamwork, Prompt Engineering for AI Models, Communication, Multitasking

Internships

Full Stack Python – White Track Technologies   *Duration: 1 Week*

- Completed hands-on training in full-stack development using Python, including web design, API creation, and database integration.

Python Programming – Rivertech IT Solutions   *Duration: 1 Week*

- Gained practical experience in Python programming focused on problem-solving and building simple real-world applications.

Projects

Gaming Using Computer Vision

- Developed an interactive gaming system that uses computer vision techniques to detect and interpret hand gestures in real time.

- Implemented gesture-based controls using Python and OpenCV to enable players to interact with the game without traditional input devices.

PPE Detection for Workplace Safety

- Used YOLOv8 and OpenCV to detect helmets, gloves, and vests in real time from CCTV footage.

- Integrated with a web dashboard for violation monitoring and alerts.