NIRMAL KUMAR V

Email: nirmalkumarv0206@gmail.com

LinkedIn

GitHub

Mobile: +91 8608480061

CAREER OBJECTIVE

To begin my career in a dynamic and challenging environment where I can effectively apply my knowledge and skills. I am eager to learn new technologies, adapt to evolving requirements, and strengthen my professional abilities while contributing to the success of the organization and building a strong career foundation.

EDUCATION

Vel Tech High Tech Engineering College — Chennai, India
BE(Computer Science and Engineering) ; CGPA: 7.55 — **October 2021 - April 2025**

Don Bosco Higher Secondary School — Chennai, India
HSC ; Percentage: 70% — **June 2019 - April 2021**

Don Bosco Higher Secondary School — Chennai, India
SSLC ; Percentage: 56% — **June 2018 - March 2019**

SKILLS SUMMARY

- **Languages**: HTML ,Css, Bootstrap, Python, SQL.
- **Tools**: Word, Excel, PowerPoint, MySQL, SQLite.
- **Platforms**: PyCharm, Visual Studio Code, Intellij IDEA.
- **Soft Skills**: Quick Adoption, Team Player, Positive Thinker, Time Management.

WORK EXPERIENCE

ARTIFICIAL INTELLIGENCE INTERN | ACMEGRADE | INTERNSHIP CERTIFICATE — **February 23- April 2023**

- Designed and developed an AI-powered chatbot capable of handling user queries and providing automated responses.
- Implemented natural language processing (NLP) techniques to improve chatbot accuracy and conversational flow.
- Integrated the chatbot with appropriate tools/technologies to ensure smooth deployment and usability.
- Gained hands-on experience in artificial intelligence concepts, machine learning, and real-world chatbot applications.
- Enhanced problem-solving and user engagement by creating an interactive, efficient, and scalable chatbot solution.

WEB DEVELOPER INTERN | ANSA GROUP | INTERNSHIP CERTIFICATE — **January 23- February 2023**

- Gained practical experience in front-end web development using HTML and CSS, establishing strong fundamentals in layout, styling, and responsive design.
- Developed proficiency in WordPress, including theme customization, plugin integration, and site setup to create a dynamic website tailored to project requirements.
- Successfully designed and built a fully functional website through a WordPress-based internship project, applying technical knowledge and demonstrating the ability to deliver a real-world solution.
- Enhanced skills in content management, responsive layout implementation, and user experience planning using WordPress tools and best practices.

PROJECTS

Eye Disease Prediction System | GITHUB LINK — **January 25- March 2025**

Tools & Technologies: Python, Numpy, Matplotlib and TensorFlow.

- Developed a machine learning–based system to predict common eye diseases from medical images.
- Implemented data preprocessing, feature extraction, and classification techniques for accurate diagnosis.
- Enhanced prediction accuracy by applying supervised learning algorithms and performance evaluation methods.
- Strengthened practical skills in Python, machine learning, and healthcare-focused AI applications.
- Contributed to healthcare innovation by designing a system that supports early detection and diagnosis of eye diseases.

Weather Information and Notification System | GITHUB LINK **February 23- April 2023**

Tools & Technologies: Python, Requests and Notification.

- Built a system to provide real-time weather updates with temperature and wind speed monitoring.
- Integrated APIs to fetch live data and implemented notifications for timely weather alerts.
- Improved user experience through accurate information delivery and automated alerts.
- Gained hands-on experience in API integration, data handling, and system development.

Virtual Mouse Using Hand Detection | GITHUB LINK **March 22- May 2022**

Tools & Technologies: Python, OpenCV, Pyautogui and Mediapipe.

- Developed a computer vision–based system that allows users to control the mouse cursor using hand gestures.
- Implemented hand detection and tracking using OpenCV and MediaPipe libraries.
- Enabled functionalities such as cursor movement, left/right click, and drag operations through gesture recognition.
- Reduced dependency on physical hardware by creating a touch-free human-computer interaction solution.

CERTIFICATES

Introduction to Prompt Engineering (Simplilearn) | VIEW CERTIFICATE **July 2025**

- Gained foundational knowledge of prompt engineering concepts for large language models (LLMs).
- Learned techniques to design, optimize, and structure prompts for improved AI-generated outputs.
- Explored practical applications of prompt engineering in real-world problem-solving and automation.
- Strengthened skills in effective communication with AI systems to generate accurate and context-aware responses.

Build Your Own Responsive Website (NxtWave) | VIEW CERTIFICATE **March 2025**

- Learned the fundamentals of web development using HTML, CSS, Bootstrap, and Flexbox.
- Designed and developed a fully responsive website adaptable to different devices and screen sizes.
- Applied Bootstrap components and Flexbox layouts to enhance design flexibility and responsiveness.
- Gained practical experience in front-end development, layout design, and user interface optimization.

Artificial Intelligence Training Program (Acmegrade) | VIEW CERTIFICATE **March 2023**

- Training conducted in collaboration with Mood Indigo, IIT Bombay, enhancing academic and professional exposure.
- Gained a solid understanding of core AI concepts, including machine learning, deep learning, and neural networks.
- Learned techniques for data preprocessing, model training, and performance evaluation.
- Explored real-world applications of AI in healthcare, automation, and natural language processing.
- Strengthened skills in Python, AI frameworks, and intelligent systems problem-solving.

Introduction to Databases Certification (NxtWave) | VIEW CERTIFICATE **August 2025**

- Gained practical experience in SQL fundamentals and relational database management through hands-on exercises.
- Designed and queried databases using normalization techniques and wrote efficient SQL queries for real-world scenarios.
- Applied data retrieval, filtering, and aggregation methods to generate insights and support analysis.
- Practiced advanced SQL concepts including joins, subqueries, and query optimization to improve performance on large datasets.
- Strengthened understanding of data modeling, schema design, and core database concepts essential for application development.