NIRMAL KUMAR V

Email: nirmalkumarv0206@gmail.com

LinkedIn
GitHub
Portfolio

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

Virtual Mouse using Eye Movement Control | [GITHUB LINK](#)   **March 22- May 2022**
   Tools & Technologies: Python, OpenCV, Pyautogui and Mediapipe.
   - o   Developed a hands-free virtual mouse system controlled through real-time eye movement.
   - o   Implemented eye tracking and gaze estimation using OpenCV and Mediapipe.
   - o   Automated cursor control and click events with PyAutoGUI for seamless interaction.
   - o   Designed for accessibility and human–computer interaction applications, reducing reliance on physical input devices.

CERTIFICATES

Introduction to Prompt Engineering (Simplilearn) | [VIEW CERTIFICATE](#)   **July 2025**
   - o   Gained foundational knowledge of prompt engineering concepts for large language models (LLMs).
   - o   Learned techniques to design, optimize, and structure prompts for improved AI-generated outputs.
   - o   Explored practical applications of prompt engineering in real-world problem-solving and automation.
   - o   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**
   - o   Learned the fundamentals of web development using HTML, CSS, Bootstrap, and Flexbox.
   - o   Designed and developed a fully responsive website adaptable to different devices and screen sizes.
   - o   Applied Bootstrap components and Flexbox layouts to enhance design flexibility and responsiveness.
   - o   Gained practical experience in front-end development, layout design, and user interface optimization.

Artificial Intelligence Training Program (Acmegrade) | [VIEW CERTIFICATE](#)   **March 2023**
   - o   Training conducted in collaboration with Mood Indigo, IIT Bombay, enhancing academic and professional exposure.
   - o   Gained a solid understanding of core AI concepts, including machine learning, deep learning, and neural networks.
   - o   Learned techniques for data preprocessing, model training, and performance evaluation.
   - o   Explored real-world applications of AI in healthcare, automation, and natural language processing.
   - o   Strengthened skills in Python, AI frameworks, and intelligent systems problem-solving.

Introduction to Databases Certification (NxtWave) | [VIEW CERTIFICATE](#)   **August 2025**
   - o   Gained practical experience in SQL fundamentals and relational database management through hands-on exercises.
   - o   Designed and queried databases using normalization techniques and wrote efficient SQL queries for real-world scenarios.
   - o   Applied data retrieval, filtering, and aggregation methods to generate insights and support analysis.
   - o   Practiced advanced SQL concepts including joins, subqueries, and query optimization to improve performance on large datasets.
   - o   Strengthened understanding of data modeling, schema design, and core database concepts essential for application development.