

NIRMAL KUMAR V

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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

BE(Computer Science and Engineering) ; CGPA: 7.55

Chennai, India

October 2021 - April 2025

Don Bosco Higher Secondary School

HSC ; Percentage: 70%

Chennai, India

June 2019 - April 2021

Don Bosco Higher Secondary School

SSLC ; Percentage: 56%

Chennai, India

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.
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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.

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.

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

- Developed a hands-free virtual mouse system controlled through real-time eye movement.
- Implemented eye tracking and gaze estimation using OpenCV and Mediapipe.
- Automated cursor control and click events with PyAutoGUI for seamless interaction.
- Designed for accessibility and human-computer interaction applications, reducing reliance on physical input devices.

CERTIFICATES

- 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.

- 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.

- 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.

- 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.