NAWIN KUMAR US

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Career Objective

Aspiring Software Engineer and pre-final year B.E. student specializing in Artificial Intelligence and Data Science at Panimalar Engineering College. Proven ability to develop efficient software solutions through strong Core and Advanced Java and Python programming skills. Committed to leveraging Generative AI (Gemini API) and analytical problem-solving to drive innovation in forward-thinking organizations.

Education

- B.TECH (AI & DS) | Panimalar Engineering College | 2023 – 2027
- Class XII | Vyasa Vidyalaya Higher Secondary School | 2023 | 76.33%
- Class X | Apex Pon Vidyashram | 2021 | 7.4 CGPA (70.3%)

Technical Skills

- Programming Language: Java, Python, C++
- Web Technologies: HTML, CSS, JavaScript (Basics)
- Databases: MySQL, MongoDB
- Tools & Platforms: Git, VS Code, Eclipse, Streamlit.

Projects

Advanced AI Desktop Assistant | Python, Google Gemini API, Tkinter, PyAutoGUI

- Engineered a multi-threaded AI assistant for Windows that automates system tasks and media playback via voice commands.
- Integrated Google Gemini 1.5 Flash API for real-time natural language processing and context-aware responses.
- Designed a custom System HUD for real-time hardware diagnostics including CPU and RAM monitoring.
- Implemented automated WhatsApp messaging and browser navigation using system-level automation libraries.

Environmental Intelligence Hub | Python, Streamlit, XAI

- Developed an AI-powered dashboard featuring Explainable AI (XAI) for environmental risk scoring and an integrated geospatial SOS system for emergency resource tracking.

Internships

Tek Pyramid – Web Application Development Intern [Feb 2025 – Apr 2025]

- Engineered responsive web applications utilizing React JS, HTML5, and CSS3, improving front-end performance and user engagement.
- Implemented user profiling, emergency SOS logic, nearest hospital/police finder, interactive maps, and downloadable reports using Python & Pandas.

Certifications

- Oracle Cloud Infrastructure (OCI) 2024 Generative AI Certified Professional - Oracle University (2024)
- Data Science for Beginners-NASSCOM (2024)
- Innovating with Google Cloud AI- Google Cloud AI (2026)
- AWS Educate Introduction to Cloud 101 – Amazon Web Services (2026).