<div align="center">RESUME</div>

DM Nihal

BE-Computer Science Engineering
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EXPERIENCE

• **Central Manufacturing Technology Institute**   *March 2024 - Present*

Full Stack Developer   Bangalore

- Led teams of 5–6 developers, delivering tailored software solutions for manufacturing and logistics industries.
  Key Projects :
- **Industry 4.0 MES Implementation:** Spearheading the development of a Manufacturing Execution System (MES) to enhance production efficiency and quality for a leading Indian manufacturer.
- **Inbound Logistics Management:** Built a logistics platform with route optimization, real-time tracking, and driver-friendly mobile apps.
- **Document Management System:** Designed a secure, scalable solution on AWS for efficient document storage and access.
- **Inventory Management:** Developed a streamlined system to optimize stock tracking and minimize downtime.
- **Toyota Maintenance Dashboard:** Delivered IoT-integrated dashboards for real-time data visualization, enhancing equipment reliability and decision-making**.**

• **Central Manufacturing Technology Institute**   *July 2023 - March 2024*

Graduate Apprentice   Bangalore

- Developing cutting-edge dashboards and websites with the latest web tech, enhancing data-driven decisions, and boosting online engagement by 15 percent.
- Collaborated with a team of 4 to create intuitive dashboards, improving data-driven decision-making by 20 Percent.
- Designed and integrated IoT solutions with sensors and data analytics, increasing process optimization efficiency by 10 percent.

PROJECTS

• **AI MOCK INTERVIEW (Personal)**   *June 2024*

Designed an AI-powered web application to help job seekers prepare for interviews through tailored simulations.

- Features include AI-generated questions, real-time feedback, and personalized improvement suggestions.
- Added audio recording and AI-driven response analysis for comprehensive performance insights.
- **Tech Stack**: Next.js, Drizzle ORM, Gemini AI, PostgreSQL, TailwindCSS, shadcn, Vercel
- Live Link: AI-Mock Interview

• **CODESNIPPET MASTER (Personal)**   *July 2024*

Developed a SaaS platform for efficient code snippet management to boost developer productivity.

- Implemented AI-powered features for code generation, optimization, and auto-documentation. .
- Included advanced search, filtering, user authentication, subscription management, and social features.
- **Tech Stack:** Next.js, Drizzle ORM, Gemini AI, PostgreSQL, TailwindCSS, shadcn, Vercel
- Live Link: Code Snippet Master

• **PHISHING WEBSITE DETECTION (Academic)**   *Feb 2023 - Jun 2023*

Built a web app with deep learning, detecting phishing sites at 92 percent accuracy.

- Tools & technologies used: Python, Deep Learning, ML Algorithms
- Received 3rd prize in the Computer Science and Engineering department for the project's excellence and impact.
- Enhanced cybersecurity by proactively identifying and alerting users to potential phishing threats.

TECHNICAL SKILLS AND INTERESTS

Languages: Python
Developer Tools: VSCode, Github, JupiterNotebook, Adobe Suite, Figma
Web-Development : HTML, CSS, JavaScript, Node.Js
Frameworks : Vue, React, Express.
Database: MySQL, PostgresSQL, MongoDB
Python: Machine-Learning, FastApi
DevOps:Docker, Git
Areas of Interest: Full-Stack Web Development, AIML, Graphic-Design, UX/UI

EDUCATION

- **Acharya Institute of Technology, Bangalore** *2023*
  BE - Computer Science and Engineering CGPA: 8.1

ROLES AND RESPONSIBILITIES

- Led cross-functional teams of 5–6 developers to deliver scalable web and mobile applications using frameworks like React, Vue.js, and FastAPI.
- Integrated AI/ML and IoT technologies to develop advanced solutions, including Industry 4.0 MES systems and logistics platforms.
- Streamlined deployment and development processes through cloud platforms (AWS), Docker, and CI/CD pipelines.
- Designed user-centric, intuitive interfaces, ensuring optimal user experiences through modern UI/UX practices.

CERTIFICATIONS

- **Data Analysis with Python** *2023*
  IBM
- **100 Days of Code : The Complete Python Bootcamp** *2022*
  Udemy

HOBBIES

- **Drawing, Logo-Design, Cricket**