Niveditha Reddy Anumandla

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B.Tech – Computer Science and Engineering
Sardar Vallabhbhai National Institute of Technology, Surat

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EDUCATION

- **B.Tech – Computer Science and Engineering** — 2023–Present
  Sardar Vallabhbhai National Institute of Technology, Surat

PROFESSIONAL EXPERIENCE

- **Software Engineer Intern** — Jun. 2025–Jul. 2025
  Al Mulla Group, Kuwait
  - Developed and deployed a vendor management web platform from scratch, enabling onboarding, profile management, and reporting for 17,000+ vendors; reduced manual processing by 40%.
  - Integrated SAP systems via APIs for seamless enterprise data flow.
  - Collaborated with 5+ cross-functional teams in Agile sprints to meet milestones ahead of schedule.
  - Used tools and frameworks such as PHP Laravel, MySQL, API.

PROJECTS

- **Vehicle Detection for Traffic Safety Using YOLO** — *Youtube | Github*
  AI project, NIT Surat
  - Used YOLO and Deep Sort for real-time object identification and tracking vehicles.
  - Went in depth with deep learning, computer visison and neural networks.
  - Detects all types of vehicles and give a warning signal if any safety rules violated.
  - Tech Stack Used: Python, Arduino IDE, YOLOv8.

- **Pluggable AI Agent Server** — *GitHub*
  Personal Project
  - A TypeScript backend AI agent with session memory, RAG document retrieval, and plugin system (weather/math) using OpenAI.
  - Tech Stack: TypeScript, Java, JSON.

- **Secret Gems Web App** — *Live Demo | GitHub*
  Personal Project
  - Built a responsive web app to catalog and explore budget-friendly local stores, restaurants, and events.
  - Used Firebase for authentication and Fire store for real-time data storage; integrated Imgur API for image uploads.
  - Implemented filters, user dashboards, and a demo mode for guest exploration without login.
  - Tech Stack Used: HTML, CSS, JavaScript, Firebase (Auth + Fire store), Imgur API

TECHNICAL SKILLS & TOOLS

- **Languages:** Python, C/C++, Java, JavaScript, TypeScript, Ruby, Go, ABAP, Assembly.
- **Frameworks/Libraries:** ReactJS, Tailwind CSS, PyTorch, Spring Boot, Angular, Laravel, NodeJS.
- **Databases:** MySQL, MongoDB, Firebase Firestore.
- **Tools & Platforms:** Git, GitHub, Linux, AWS, Azure DevOps, Imgur API, Arduino IDE.

Intermediate proficiency

AWARDS AND CERTIFICATION

- **GDSC Design Week 2025,** 3rd place among 50+ participants.
- **NEXUS Web Wonders 2024,** Participated as a team in web wonders competetion held by Nexus SVNIT.
- **Blockchain Masterclass,** Certified by Centre for Finance, Technology and Entrepreneurship, 2025.
- **Postman API Fundamentals Student Expert,** Certified by Postman, 2025.
- **Intro to Machine Learning,** Certified by Kaggle, 2025.

POSITIONS OF RESPONSIBILITY

- **Junior Secretary at Literary Affairs Committee, NIT SURAT:** I gained communication and public speaking skills, along with leadership and teamwork through debates and event organizing. — *Jan. 2025–Present*
- **Memeber at NEXUS Cell, NIT SVNIT:** I gained practical skills in coding, problem-solving, and emerging technologies through projects and competitions. — *Jan. 2025–Present*

KEY COURSES TAKEN

- Data Structures, Design and Analysis of Algorithms, Database Management Systems, Discrete Mathematics, Object Oriented Programming, Operating Systems, Computer Networks, Artificial Intelligence, Machine Learning, Computer Organization, Microprocessor Interfacing Techniques, Machine Learning, High Performance Computing, Optimization Methods, Finite Automata