Badduluri Nithin Kumar

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Professional Summary

I am a curious and adaptable individual who constantly seeks to learn new skills and explore different domains. I strive to maintain a positive outlook in most situations and easily adjust to new environments. Proficient in **Java**, **Fundamentals in Python** and **full stack web development**, with foundational knowledge in **Artificial Intelligence**, **Machine Learning**, and **Data Science**. I've demonstrated strong problem-solving abilities and effective teamwork through hands-on projects. Committed to continuous learning and growth to enhance decision-making and stay ahead in a fast-evolving tech landscape.

Education

Bachelor of Technology – Artificial Intelligence & Data Science Mother Theresa Institute of Engineering and Technology, Palamaner, India **Expected Graduation:** May 2027 | **CGPA:** 88%

Intermediate – MPC (Math's, Physics, Chemistry)
Sri Chaitanya Academy Junior College (Co-Ed), Tirupati, India
Completed: May 2022 | **Percentage:** 82%

Secondary School Certificate (SSC) ZP High School, Peddaupparapalle, Chittoor, India
Completed: April 2020 | **Percentage:** 98.6%

Internships

- ♦ **AI-ML Virtual Internship(Google for Developers)**
  EduSkills – Remote
  07/2025 – 09/2025
  - Developed and trained a Convolutional Neural Network (CNN) model using **TensorFlow** and **Keras** for image classification, achieving **95% accuracy** on the MNIST dataset.
  - Implemented Natural Language Processing (NLP) techniques to build a sentiment analysis model for product reviews, improving classification accuracy by **92%**.
  - Conducted extensive data preprocessing and feature engineering using **Python** (**Pandas**, **NumPy**) to clean and format large datasets, increasing data quality by **20%** and enabling more robust model training.
  - Collaborated with a cross-functional team on a predictive analytics model that forecasts customer behavior, contributing to a **15% increase** in targeted marketing effectiveness.

- ♦ **Full Stack Developer Intern**
  EduSkills – Remote
  04/ 2025 – 06/ 2025
  - Designed and developed responsive web pages using **HTML**, **CSS**, and **JavaScript**
  - Built interactive UI components like dropdowns, modals, and form validations

- Improved website layout and styling for better user experience across devices

- ♦ **Full Stack Web Development Intern**
  Gen Proces – Remote 05/2025 –
  07/2025
  - Built and maintained web applications using **React**, **Node.js**, and **MongoDB**
  - Created and connected APIs to support front-end features
  - Improved website speed and user experience

Projects

- **Project Title:** "Library Management System"
- **Technologies Used:** Java
- **Core Features Implemented:**
  - User/Admin Authentication
  - Book inventory management (add, update, search, delete)
  - Member registration and account management
  - Book issue and return operations
  - Due date tracking and fine calculation
  - Search functionality for books/users

- **Project Title:** "Voice controlled car"
- **Technologies Used:** IoT
- **Features:** Designed and programmed a voice-activated car using **ESP32**, **Bluetooth**, and **Arduino IDE**, enabling real-time command execution via mobile app.

- **Project Title:** "Smart Traffic Management System Using Arduino UNO "
- **Technologies Used:** IoT
- **Features:** Developed a smart traffic light system using **Arduino Uno**, and **LEDs** to automate signal timing based on real-time vehicle density , improved traffic flow efficiency and reduced manual intervention.

- **Project Title:** "Project Fee Collection Gateway"
- **Technologies Used:** HTML, CSS, JS, REACT JS, MONGODB.
- **Features:**
- **Developed** a secure, full-stack payment gateway system to streamline college fee collection, reducing manual administrative work and ensuring a stable cash flow for the institution.
- **Integrated** a third-party payment processor API (e.g., Razorpay) to facilitate secure online transactions using various methods including credit/debit cards, UPI, and digital wallets.
- **Implemented** robust security measures including data encryption (SSL/TLS) and tokenization to protect sensitive user and transaction data, ensuring PCI DSS compliance.
- **Designed** a user-friendly and responsive interface for both students/parents and administrators, ensuring seamless functionality across all devices.
- **Created** an admin dashboard for real-time tracking of payment statuses, generation of automated invoices and detailed reports, and management of user accounts.

Achievements

- **NPTEL certification –** Introduction To Industry 4.0 and Industrial Internet of Things, Jul-Oct 2025

- **Article Presentation**-PEN TO PODIUM, Madanapalle Institute of Engineering And Technology, Sep 2025

- **Innovation Ambassador (Foundation to Advanced Level)** – MoE's Innovation Cell & AICTE, Sep 2025

- **Paper Presentation** – AITHERONML-2K25, Kuppam Engineering College, Aug 2025

- **Research Paper Presentation** – CRATE-2025, Feb 2025

- **AI-ML Virtual Internship(Google for Developers) -** AICTE & EduSkills, Jul 2025 – Sep 2025

- **Full Stack Web Development Internship** – Gen Proces, May 2025 – Jul 2025

- **Web Full Stack Developer Virtual Internship** – AICTE & EduSkills, Apr 2025 – Jun 2025

- **Introduction to Tensor Flow** – GeeksforGeeks, Jun 2025

- **Machine Learning with Python (ML0101EN)** – IBM, Jun 2025

- **HTML Project Completion** – Coursera, May 2025

- **SQL and Relational Databases 101 (DB0101EN)** – IBM, Dec 2024
- **Python 101 for Data Science (PY0101EN)** – IBM, Dec 2024

- **Data Analytics Job Simulation** – Quantium, Jul 2024

- **Developer & Technology Job Simulation** – Accenture, Jul 2024
- **Career Development 3x: Problem Solving and Critical Thinking Skills** – FullbridgeX (edX), Apr 2024

Publications

Title: Sustainable Agriculture With Precision agriculture Technologies
Presented at: PEN TO PODIUM article presentation at Madanapalle Institute of Engineering And Technology, Sep 2025
Publisher: Academic Decipher, Mumbai
Publishing Date: May, 2026

Title: Predictive Analysis with Artificial Intelligence and Machine Learning: Boosting Customer Engagement and Return on Investment
Presented at: 5th National Conference on Recent Advances in Technology & Engineering (**CRATE- 2025**)
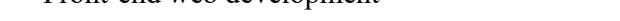**Publisher:** Paramount Publishing House, Hyderabad
ISBN: 978-93-48512-15-4
Date: February 2025

Skills

- Python programming
- Java programming
- Data Science
- Artificial Intelligence
- Front-end web development

- Machine learning
- Data Analysis
- Prompt Engineering
- Problem solving and creative thinking
- Back-end web development

Languages

- English (Fluent)
- Telugu (Fluent)
- Hindi (Intermediate)

Disclaimer

I hereby declare that the information provided above is true and accurate to the best of my knowledge. I take full responsibility for the authenticity and correctness of the details shared.