

Dhana Sekhar Dandugula

Contact information

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Portfolio: dhana-folio-swiss-style.vercel.app

Professional Summary

Passionate AI/ML Engineer with hands-on experience in developing machine learning models and LLM applications. Strong foundation in computer science principles with expertise in Python, Java, and neural networks. Proven ability to deliver **innovative solutions** and **real-time AI solutions** while working collaboratively in remote environments. Recognized for effective **problem solving** skills and the ability to tackle complex business challenges through a strategic **approach to business process** optimization. Demonstrated **leadership** in driving **growth** and elevating **client** satisfaction through creative **ideas** that streamline operations and enhance product delivery.

Work Experience

MLOps Engineer — Serving at Protective Technologies Pvt. Ltd.

- Built and deployed an LLM-driven meter-image processing pipeline that extracts readings, applies billing logic, and syncs results to backend servers—used by ~1 lakh users across Andhra Pradesh and Telangana.
- Led full MLOps lifecycle including CI/CD, containerization, automated retraining workflows, performance monitoring, drift detection, and inference optimization to improve reliability and throughput.
- Migrated legacy cloud storage to AWS, redesigning the data platform for higher scalability, improved uptime, and more predictable operational costs.

Software Development Engineer - Uzvi Service | 6 months

- Designed and deployed LLM models for the FinBuddy SaaS application, integrating real-time ML workflows, statistical modeling, and advanced analytics to enhance automation and user experience.
- Built scalable software solutions using Python, Java, Flutter, Node.js, and FastAPI, collaborating with cross-functional teams to architect AI modules from concept to production deployment.
- Contributed to a high-performance startup environment by driving innovative problem-solving, improving digital operations, and delivering AI-driven features that strengthened overall product performance.
- Implemented ML algorithms for pattern recognition and probability-based predictions, enabling real-time insights and improving automation efficiency across key product workflows.

Skills

- **Programming Languages:** Python, Java, R
- **Frameworks & Technologies:** TensorFlow, PyTorch, FastAPI, Node.js, Flutter
- **ML&AI:** Neural Networks, Deep Learning, NLP, Pattern Recognition, Probability, Statistical Modeling
- **Data Analysis:** Statistical Modeling, SPSS, Apache Spark
- **AI/ML Development:** Model Optimization, Algorithm Design, LLM Development
- **Cloud Technologies:** Experience with **AWS**, **Google Cloud**, and **Microsoft Azure** on cloud-based ML deployments
- **Development:** Data Structures, Algorithms, Web Development
- **Business Automation:** Pega System Architecture

Education

AI/ML Engineering: Laki Reddy Bala Reddy College of Engineering and Technology, Vijayawada, India 08/2022 - 05/2025 | CGPA: 7.0/10, Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing, Data Structures, Web Development

Diploma in Computer Engineering: Nuzvid Polytechnic College, Nuzvid, India 06/2019 - 05/2022 | Percentage: 82%

Internships

- Software Development Intern — 3 months (June 2025 to August 2025)
- AI/ML Intern — 6 months (January 2025 to June 2025)
- Pega CSSA — 9 months (May 2024 to January 2025)
- Pega CSA — 11 months (June 2023 to April 2024)

Certifications

- Certified Pega System Architect Infinity23 - Pega Systems, 2024
- AI and Machine Learning - Infosys Springboard, 2024
- Applied Accelerated Artificial Intelligence - NPTEL, 2023
- Apache Spark for Data Engineering and Machine Learning - IBM, 2023
- Network Essentials - Infosys spring board
- Cyber Security Essentials - Infosys spring board
- Introduction to Packet Tracers - Infosys spring board