DINESH PANDIKONA

dineshpandikona.vercel.app | github.com/noworry-b-still | linkedin.com/dineshpandikona

+1 857-397-3775

pandikonadinesh13@gmail.com

Boston, United States

CORE COMPETENCIES

- Software Development Lifecycle
- Algorithms & Data Structures
- CI/CD
- Software Programming
- Concurrency/Fault-tolerance
- Distributed Systems
- Scripting
- Scalability
- Web Services & APIs
- Database Design & Implementation
- Technical Documentation

EDUCATION HISTORY

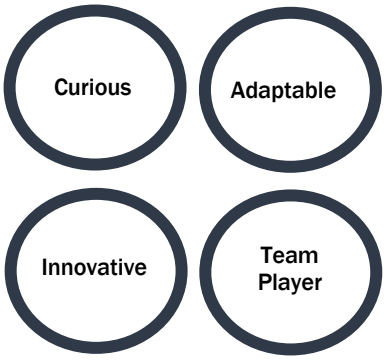
Master of Science – Computer Science
Northeastern University, Boston (expected to be awarded within June 2025)

Bachelor of Technology – Computer Science
JNTU, Hyderabad, India, 2022

SKILLS

- **Languages:** Python, JavaScript, Elixir, Java, Go, Rust, C, SQL, GraphQL, HTML/CSS
- **Databases:** MongoDB, Redis, PostgresSQL, MnesiaDB, Apache Kafka
- **Frameworks:** React.js, Next.js, Django, Phoenix LiveView, Linux, Docker, AWS

ATTRIBUTES



PROFESSIONAL PROFILE

A dedicated software engineer with 1.5 years of experience, passionate about scalable, fault-tolerant software systems and proficient in both object-oriented and functional programming. Currently working at Bose Professional, I contribute to projects focused on distributed systems and have developed a strong foundation in software development using agile methodologies. My hands-on experience includes internships at Deloitte, Mithya Labs, and Blaze Automation, where I enhanced my skills across various projects. I also possess a solid understanding of machine learning through projects on Kaggle. Known for my problem-solving abilities, effective communication, and a constant eagerness to learn and add value.

WORK EXPERIENCE

Software Engineer Intern – Go/Elixir/GraphQL **July 2024 - Present**
BOSE PROFESSIONAL, Framingham, United States

- Collaborating on integration of firmware, Digital Signal Processor, Frontend and Middleware components for MVP-1 of Bose Pro's next-gen audio platform, as part of middleware team.
- Developed *6+* logic engine features using Go and GraphQL, reducing API latency by *8%*, improving scalability.
- Built fault-tolerant core services using GenServers and Supervisors with custom supervision strategies, implementing safeguards for *2* critical services to ensure reliability.
- Refactored *12+* modules, cutting technical debt by *25%*, improving codebase maintainability.

KEY ACCOMPLISHMENT

- Involved in the architectural design for utilizing Mnesia database in a clustered environment, ensuring all application nodes remain responsive in the event of a node failure.

Solution Delivery Analyst – Java/Python/SQL **Feb. 2022 - Aug. 2023**
DELOITTE, Hyderabad, India

- Developed a budget dashboard with Django, Python and MySQL, implementing automated data visualization and real-time expense tracking, improving customer engagement by *15%* through financial insights and user-friendly features.
- Built Java-based GUI tools to automate 4 key tasks in e-discovery service workflows, reducing manual effort and saving 30% of professional's time, leading to increased efficiency and faster service delivery.
- Written several SQL scripts that professionals can select to run specific jobs in the software, enabling them to achieve the desired outcomes based on their requirements.

KEY ACCOMPLISHMENT

- Earned recognition from senior management for delivering value by taking full ownership and automating key tasks within the workflows, significantly enhancing operational efficiency.

Machine Learning Intern – Python/Django **Feb. 2021 - June. 2021**
BLAZE AUTOMATION, Hyderabad, India

- Conducted comprehensive research, reviewing multiple papers, and authored a comparison analysis that identified key insights in time-series analysis and elderly care monitoring.
- Pre-processed datasets and ensured accurate real-time data generation from devices, facilitating seamless uploads to the cloud.
- Collaborated with a team to develop a machine learning model using Python, achieving *86%* accuracy in anomaly detection for non-intrusive elderly monitoring.
- Contributed to backend API development for a mobile application used for monitoring, supporting real-time data visualization and remote alerts.

KEY ACCOMPLISHMENTS

- This proof of concept led to a research paper later published by the company, showcasing the project's innovation and impact.
- Received special recognition from the CEO for exceptional efforts and significant impact in advancing the company's work in the domain.