

Badri Nerella

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📍 Bangalore, India

🔗 Portfolio



PROFILE

Results-driven Software Engineer with 3 years of experience in infrastructure development, workflow automation, and AI tool building. Committed to solving complex problems with scalable, intelligent solutions that make teams faster and more effective.

PROFESSIONAL EXPERIENCE

Nvidia

2022 – present | Bangalore, India

ASIC/Infrastructure engineer

- **Slack Monitoring & Automation:**
 - Architected and solely developed a comprehensive, Slack-based monitoring system to proactively track failures and critical events across complex engineering workflows.
 - Engineered a real-time notification system complete with ownership details and interactive buttons that trigger automated recovery flows, significantly reducing manual intervention and accelerating issue resolution.
 - The platform was designed to be highly configurable and extensible, allowing for the seamless integration of new features and monitoring capabilities by the team.
- **Multi-Platform Approval System:**
 - To streamline a key manual step in our processes, I designed, architected, and solely developed a multi-platform Approval System accessible via a web application, Slack, and email.
 - The system empowers users to create customizable approval templates with associated execution scripts, automating downstream actions and eliminating a significant bottleneck in engineering workflows.
- **High-Volume Job Platform Enhancement:**
 - Played a pivotal role in enhancing and maintaining a mission-critical job execution platform that manages nearly one million jobs during each 3-4 month chip development cycle.
 - Responsibilities included diagnosing complex production issues, implementing robust fixes, and developing new features to bolster the platform's stability, performance, and overall capabilities.
- **Chip Development management system - Atlas:**
 - Led the full-stack development of "Atlas," a centralized web application that provides unprecedented transparency into the chip development lifecycle for project leadership.
 - Designed the UI and engineered the complex back-end flows to capture and display engineering tasks and their corresponding job statuses in a unified, data-driven dashboard.
 - Successfully coordinated with numerous teams to integrate a wide range of disparate checks and workflows into a single, cohesive system.

Riskcovry

2022 | Bangalore, India

Engineering intern

- Contributed key features to a robust user authorization application designed to streamline and secure the identity verification process.
- Engineered a facial matching component that compared a user's live photo with their official Aadhaar card image, adding a critical layer of biometric security.
- Integrated a government-authorized API for real-time fetching and validation of Aadhaar data, ensuring compliance and high data accuracy.
- Developed a flexible document-handling feature to support the secure upload and processing of multiple identification proofs, including Aadhaar and PAN cards.

SKILLS

Python | React/Next JS | Perl | ElasticSearch | MySQL | Kibana | Langchain | Agentic AI

EDUCATION

Electronics and Communication Engineering

PES University

CGPA: 8.75/10

2018 – 2022 | Bangalore, India

12th

Sri Chaitanya PU college

CBSE - 91.5%

2016 – 2018 | Bangalore, India

10th

Lawrence School

ICSE - 90.5%

2016 | Bangalore, India

AWARDS

DR. MRD Scholarship

PES University

Toppers of the semester - 1,2,4,5,6,7,8

Riscovry Ode-to-Code hackathon winner

Riscovry

Student Excellence award

Lawrence School

Toppers of 10th

Pianist

Trinity college of london

Upto grade - 4

PROJECTS

Portfolio website [↗](#)

Bit-rate processing in 5G

Capstone project - semester 6

Sudoku solver GUI

Twitter Bot to identify location of available beds during covid