

# HARI HARA BUDRA P

Chennai, Tamil Nadu | +91 7397 509 844 | hariharabudra@gmail.com  
linkedin.com/in/hari-hara-budra | github.com/BudraHH

## Professional Summary

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Results-driven Software Development Engineer with a strong foundation in **Computer Science fundamentals**, **Algorithms**, **Data Structures**, and **Object Oriented Design (OOD)**. Experienced in designing and building **scalable**, **distributed systems** using **Java** and **Python**. Proven ability to drive engineering excellence through code optimization and architectural improvements. Passionate about innovating on behalf of customers to reduce friction and build extensible solutions in fast-paced Agile environments.

## Technical Skills

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**Languages:** Java, Python, JavaScript (ES6+), SQL, Bash Scripting

**Core CS Fundamentals:** Algorithms, Data Structures, Object Oriented Design (OOD), System Design, Databases

**Frameworks & Backend:** JAX-RS (Jersey), Node.js, FastAPI, Django, RESTful APIs

**Data & Infrastructure:** PostgreSQL, Redis, MongoDB, Docker, Linux/Unix

**Development Tools:** Git, GitHub, Postman, IntelliJ, CI/CD Pipelines

**Soft Skills:** Problem Solving, Cross-Service Collaboration, Adaptability, Written Oral Communication

## Professional Experience

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### Zoho Corporation (ManageEngine)

Apr 2025 – Jun 2025

*Software Developer Intern*

*Chennai*

- Designed and implemented production-grade backend features using **Java** and **Object Oriented Design** principles, ensuring high availability and extensibility.
- Optimized **PostgreSQL** queries and database schemas, resulting in a **40% performance improvement** for high-volume data processing workloads.
- Collaborated with cross-functional teams to define architecture and consume **RESTful APIs**, driving technical trade-offs for long-term system stability.
- Demonstrated **engineering excellence** by debugging complex data inconsistencies in a multi-tiered environment, tracing HTTP flows and analyzing logs.
- Adapted quickly to internal frameworks and development tools, delivering high-quality software within Agile sprints.

### SystItSoft Solutions

Jun 2025 – Nov 2025

*React Developer*

*Coimbatore*

- Developed responsive web interfaces using React.js and JavaScript, focusing on reducing transaction friction and improving customer experience across multiple devices (Mobile/Web).
- Translated ambiguous requirements into concrete UI components, collaborating with backend engineers to ensure seamless data integration.
- Participated in code reviews and design discussions to maintain code quality and adhere to best practices.

## Key Projects

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### ApplyForge — Automated Job Application Platform (Python/Distributed)

Nov 2025 – Present

- Architected a **distributed** scraping engine using **Python**, FastAPI, and Celery to handle thousands of concurrent requests.
- Implemented **algorithms** for efficient job matching and ranking, utilizing **Redis** for caching to achieve sub-second response times.
- Designed a fault-tolerant system with retry logic and rate limiting to manage complexity across external platforms.
- Dealt with ambiguous data structures from multiple sources, normalizing them into a structured **Relational Database** schema.

### TestCo — Scalable Test Management Platform (Node/AWS)

Nov 2024 – Dec 2024

- Designed a serverless evaluation engine using **AWS Lambda** and Node.js to securely execute code in a sandboxed **Docker** environment.

- Solved significant complexity regarding code isolation and security, ensuring consistent performance for 100+ concurrent submissions.
- Built scalable API endpoints and integrated CloudWatch monitoring to track system health and latency.

AutoIntell — Predictive Maintenance System (Python/Optimization)

Feb 2025 – Mar 2025

- Developed an end-to-end inference pipeline using Django and TensorFlow, focusing on **optimization** of prediction latency.
- Reduced end-to-end request time by **35%** through efficient database connection pooling and optimized ORM queries.
- Articulated technical challenges effectively to integrate real-time ML inference with standard web protocols.

Education

Bachelor of Technology, Artificial Intelligence and Data Science

2021 – 2025

Rathinam Technical Campus, Coimbatore, India

CGPA: 7.87

Relevant Coursework: Analysis of Algorithms, Data Structures, Database Management Systems (DBMS), Operating Systems, Computer Networks.

Leadership & Achievements

**Technical Leadership:** Mentored junior students on **Data Structures** and API design patterns.

**Hackathons:** Top 15 at Volkswagen iMobilitathon 2024; Runner-up at PSG iTech Hackfest 2024.