

# HARI HARA BUDRA P

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## Professional Summary

AI & Data Science undergraduate combining machine learning expertise with full-stack development experience. Experienced in developing AI-powered applications using TensorFlow, Django, and React with focus on predictive analytics and model deployment. Strong software engineering foundation with internship experience in frontend development and scalable system design. Adaptable to diverse work environments with ability to collaborate effectively in agile teams and deliver solutions under tight deadlines.

## Technical Skills

**Programming Languages:** Python, Java, JavaScript (ES6+)

**Frontend Development:** React.js, HTML, CSS, Tailwind CSS

**Backend Development:** Django, Flask, Node.js, Express.js, REST APIs, JWT, WebSockets, MVC

**Databases:** PostgreSQL, MongoDB, SQL

**AI/ML & Data Science:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebooks

**Developer Tools:** Git, GitHub Actions, CI/CD, Linux, Postman

## Professional Experience

### SystItSoft Solutions

Jan 2025 - Jul 2025

*React Developer Intern*

*Coimbatore*

- Led the complete redesign of the company website, handling requirements gathering, design, and deployment phases.
- Resolved critical front-end performance bottlenecks, improving website speed and efficiency by up to 30%.
- Contributed to the core product by implementing key user interface modules, aligning design with business requirements.
- Worked in an agile environment, participating in sprint planning and delivering features on schedule.
- Participated in code reviews using Git to enforce software development best practices and maintain high code quality across projects.

## Personal Projects

### AutoIntell - Predictive Maintenance System | Python, Django, PostgreSQL, TensorFlow

Feb 2025 - Mar 2025

- A machine learning system designed to predict maintenance needs for fleet vehicles and prevent unexpected breakdowns.
- Engineered predictive models using TensorFlow, achieving up to 80% accuracy in forecasting engine part failures.
- Enhanced backend and model integration in Django, improving response speed by 35% and reducing overall processing time.

### TestCo - Test Management Platform | MongoDB, Express.js, React, Node.js, AWS Lambda

Nov 2024 - Dec 2024

- A comprehensive role-based platform enabling tutors to conduct technical assessments and analyze student performance.
- Created a MERN stack application with secure authentication and real-time test evaluation across 100+ test cases.
- Integrated AWS Lambda for scalable test execution, decreasing manual effort by 40% and speeding up reporting by 30%.

### CVE Management System | Python, Flask, MongoDB, NVD API

May 2023

- An automated cybersecurity system for real-time monitoring and management of Common Vulnerabilities and Exposures.
- Built a Flask-based system with real-time synchronization of threat data from the NVD API, maintaining 99.9% uptime.
- Optimized MongoDB schema and indexing to handle 200K+ CVE records, enabling sub-100ms query responses during high-volume operations.

## Education

### Bachelor of Technology, Artificial Intelligence and Data Science

2021 - 2025

*Rathinam Technical Campus, CGPA: 7.87*

*Coimbatore, India*

## Achievements

- Shortlisted among the Top 15 ideas for the AutoIntell project in the iMobiliton Hackathon 2024 conducted by Volkswagen.
- Secured Runner-up position at the PSG iTech Hackfest 2024 for developing the Counselin app.

## Roles and Responsibilities

- Workshop Instructor – Conducted inter-college level technical training programs on Machine Learning and Deep Learning.
- Peer Technical Mentor – Mentored juniors on the MERN stack, improving their coding skills.