

# Hareendra Boddhapu

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## Summary

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Computer Science undergraduate specializing in AI Systems for Visual Intelligence, with strong foundations in Java, SQL, and backend development. Experienced in building scalable web applications, REST APIs, and data-driven systems, with hands-on exposure to computer vision and machine learning projects. Possesses strong analytical and problem-solving skills, and is a motivated team player eager to contribute to large-scale, AI-enabled IT systems in a collaborative environment.

## Education

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<b>B.Tech, Computer Science — KL University</b>	2023–2027 (CGPA: 9.25)
<b>Intermediate, MPC — Sri Chaitanya Junior College</b>	2021–2023 (945/1000)
<b>Secondary Education — Sri Chaitanya School</b>	2020–2021 (CGPA: 10.0)

## Projects

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### Freelancer Marketplace (React, Node.js, SQL)

Developed a full-stack freelance marketplace supporting client and freelancer roles, project posting, bidding, and payment workflows. Implemented Redux for state management, search and filtering features, and RESTful APIs for core business logic. Performed functional testing, basic troubleshooting, and created API documentation to ensure application reliability and maintainability.

### University Placement Analytics (Consulting Case) (Java, SQL, Data Analysis)

Designed a data analytics pipeline to map student profiles to job requirements. Implemented a rule-based and statistical role-fit prediction system and generated placement recommendations using structured datasets.

## Research Work

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### Leveraging Reinforcement Learning for Cognitive Support

Conducting research on adaptive reinforcement learning-based memory aids designed to support human cognition. The work focuses on modeling user memory patterns, task prioritization, and forgetting behavior to provide personalized reminders and recall support. Explores the integration of RL decision-making, feedback loops, and user interaction data to dynamically adjust assistance strategies and improve long-term task recall and cognitive efficiency.

### Augmented Creativity in Code and Digital Art (Ongoing)

Investigating human-AI collaborative workflows for software development and digital art creation. The research examines how AI-assisted tools can augment creativity by supporting idea generation, code synthesis, iterative refinement, and visual design exploration. Emphasis is placed on improving productivity, creative quality, and usability while maintaining human control, interpretability, and ethical AI usage.

## Technical Skills

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**Languages:** Python (Basic), Java, C

**Frameworks / Libraries:** Node.js, Spring Boot

**Databases:** SQL

**Tools:** Git

**AI Exposure:** Machine Learning, Deep Learning(Academic & Project-based)

**Concept:** OOP, REST APIs, Data Analysis

## Personal Traits

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Analytical and detail-oriented • Strong problem-solving ability • Quick learner and research-driven • Effective communicator and team player • Adaptable with good time-management

## Certificates

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LinguaSkill (CEFR B2)

Oracle Cloud Infrastructure (OCI) 2025 Certified Data Science Professional