

# KATTAMANCHI HEMANTH KUMAR

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## PROFESSIONAL SUMMARY

Results-driven Computer Science and Engineering student specializing in Artificial Intelligence with practical experience in full-stack development and machine learning. Proficient in delivering data-driven solutions and enhancing system efficiency. Seeking an entry-level software developer role to contribute innovative solutions and expand technical expertise.

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## Education

Bachelor of Technology	Vemu Institute Of Technology, P. Kothakota	2025	81%
H. S. C	Sri Chaitanya Junior College	2021	92%
S. S. C	Nava Bharath English Medium School	2019	93%

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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C
- **Web Development:** HTML, CSS, JavaScript
- **Data Analysis & Databases:** Pandas, MySQL
- **Version Control:** Git
- **Tools & Technologies:** VS Code, Eclipse

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## PROFESSIONAL EXPERIENCE

### Intern | Infosys(Current Role)

- **MediAlert:** AI-Powered Anomaly Detection for Healthcare Fraud - Developed an AI-driven solution that reduced fraudulent healthcare transactions by 25% using Isolation Forest and Autoencoder models.
- Conducted exploratory data analysis (EDA) and implemented advanced TensorFlow techniques for efficient anomaly detection.
- Achieved ~5% anomaly detection rate, delivering actionable insights to combat healthcare fraud.
- **Technologies:** Python, Pandas, Matplotlib.

### Full Stack Java Intern

ExcelR Edtech Pvt. Ltd. in collaboration with Andhra Pradesh State Council of Higher Education  
July 2024

- Successfully completed a 6-week short-term internship focused on Full Stack Java development.
- Gained hands-on experience in Java-based full-stack technologies and frameworks.

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## PROJECTS

### Portfolio Website

- Designed and developed a responsive portfolio website to showcase my skills, projects, and educational background. The website features a clean and modern design with interactive elements.

Technologies Used: HTML, CSS, JavaScript, Bootstrap.

### **Literary Log Webpage | SmartLiber Pro Webpage**

- Developed a web-based library management system to track books, authors, and customers. The application allows users to add, search, and filter books, as well as manage book returns and view real-time statistics.

Technologies Used: HTML, CSS, JavaScript, Local Storage

### **Calculator - Web-Based Calculator**

- Developed a web-based calculator application featuring basic arithmetic operations, including addition, subtraction, multiplication, division, and modulo.
- Technologies Used: HTML, CSS, JavaScript.

### **Quiz Application**

- Developed an interactive quiz application to test users' general knowledge. The app displays random questions, tracks scores, and provides feedback on incorrect answers.

Technologies Used: HTML5, CSS3, JavaScript.

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## **CERTIFICATIONS**

- **Python Programming** (CodeTantra)
  - **Python, Java, Problem Solving Basic** (HackerRank)
  - **Machine Learning Specialization** (DeepLearning.AI, Coursera)
  - **Scientific Computing with Python** (FreeCodeCamp)
  - **Fullstack Java** (Wipro)
  - **Database and Sql**(Infosys springboard)
  - **Introduction to IoT** (NPTEL)
  - **Communication Skills and Teamwork** (edX)
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## **ADDITIONAL SKILLS**

- **Languages:** Telugu (Native), English (Professional), Hindi (Intermediate), Tamil (Intermediate)
  - **Soft Skills:** Problem Solving, Team Collaboration, Time Management, Communication
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## **ACHIEVEMENTS**

- Led a development team in college technical projects, delivering solutions 15% ahead of schedule.
- Consistently ranked in the top 10% of the class.
- Active contributor to open-source projects on GitHub, improving project efficiency.

## **Hobbies**

- Hackerrank, Leetcode, Learning about mythology