

# Daiwiik Harihar

📍 Pune, India    ✉ daiwiikharihar@gmail.com    ☎ +91 77559 21891    📁 Portfolio    in Daiwiik Harihar  
🔗 daiv09

## Summary

---

- Third-year Computer Science undergraduate focused on software systems and AI-powered applications.
- Skilled in full-stack development, and API-driven application systems, with hands-on project experience.
- Selected for the prestigious iOS Student Development Program by Apple and Infosys.
- Exploring Generative AI, LLM-based application design, and cloud-native intelligent software deployment.

## Education

---

**Dr. Vishwanath Karad MIT World Peace University, Pune**

*Aug 2023 – Present*

*B.Tech in Computer Science and Engineering*

- CGPA: 9.04 / 10
- **Coursework:** Data Structures, Design and Analysis of Algorithms, DBMS, Computer Networks
- Active member of TEDx Tech Team, AWS Cloud Club (Design), and Innovation Hub (Technical).

## Experience

---

**Website Developer**

*Remote, Freelancer*

*Paiwand Studio*

*July 2025 – Present*

- Developing and maintaining the company's primary website: <https://paiwandstudio.com>
- Building modern, responsive UI components with designers to enhance user experience and site performance.
- Enhancing site visibility and engagement by implementing robust SEO and analytics for increased traffic.
- Driving sales growth for repurposed textiles by optimizing digital presence and customer checkout flow.

**Research Intern**

*Shivajinagar, Pune*

*COEP Technological University*

*June – August 2025*

- Worked on AI-based Offline Exam Monitoring System using Deep Learning.
- Led Head Movement Detection module with 3000+ image dataset and custom model training.
- Built real-time DL inference pipelines integrated with application workflows for detecting cheating behaviours.
- Used PyTorch, Docker, Roboflow, CVAT, and NVIDIA DGX (CUDA 11) for development and training.
- Collaborated in a 7-member team, applying research to practice and earning positive mentor feedback.

## Projects

---

**Voice-Based User Interface for Hands-Free Data Entry**

[github.com](https://github.com) 

- Built 88.8%-accurate real-time speech-to-text system using 7 audio chunks (Web Speech API, WIT.AI).
- Enabled multi-user, real-time sync for education, legal, and medical applications via React and Socket.IO.
- Used MongoDB for storing and exporting transcribed records (.txt, .pdf, .csv) with enhanced processing via chunking, caching, and adaptive sampling.

**Hospitality Hiring Platform**



- Built a full-stack recruitment system with seamless job postings, candidate applications, and dashboards for the hospitality sector.
- Integrated secure authentication, dynamic listings, real-time hiring workflows, and version-controlled the project using Git and GitHub.
- Utilized Prisma ORM with PostgreSQL for optimized data handling and scalability; deployed on Vercel for serverless performance.

## Neo4j Knowledge Graph – GraphRAG Project

[github.com](#) 

- Built a knowledge graph using Neo4j to model entity relationships and enable semantic data retrieval.
- Explored Graph-based Retrieval-Augmented Generation (GraphRAG) using LangChain and Cypher query workflows.
- Designed graph schema and query pipelines for relationship traversal and contextual information retrieval.

## Publications

---

***Voice-Based User Interface for Hands-Free Data Entry and Automation at Workplaces***

[Link](#) 

Daiwiik Harihar, Vedansh Shrivastava, Prativina Talele, Dr. Aditi Jahagirdar

***Challenges and Opportunities in the Automotive Cybersecurity Landscape***

*Accepted, Jun 2025*

Arya Kulkarni, Daiwiik Harihar, Dr. Aditi Jahagirdar, Dr. Dhanashri Watagaeonkar

*Accepted as a book chapter in Cyber Safety and Reliability Engineering in Automobiles (CSREA2025)*

## Technical Skills

---

**Languages:** C, C++, Java, JavaScript, TypeScript, Python, R

**Generative AI:** RAG, Vector Database (Pinecone, Chroma), AI API integration

**Technologies:** Node.js, Express.js, React.js, Next.js, MongoDB, PostgreSQL, Prisma ORM, Git, Postman, AWS, Docker