HARISH P

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EDUCATION

Nehru institute of technology   Coimbatore, India
BE – Computer science and Engineering, CGPA: 8.9   Sept 2022 – May 2026
Bishop Ubagarasamy Higher Secondary School   Tirupur, India
Percentage: 58.8%   2015 - 2022

PROFESSIONAL SUMMARY

Detail-oriented full-stack developer with expertise in React, Tailwind CSS, JavaScript, and Python. Proven experience in building scalable, user-centric web applications across healthcare, scientific, and interactive domains. Adept at combining clean UI/UX design with robust backend architecture to deliver responsive, high-performance interfaces. Certified through Meta, Google, and Coursera platforms, and recognized for achievements in national hackathons and international conferences. Dedicated to creating impactful digital solutions that merge design clarity, data intelligence, and practical usability.

SKILLS SUMMARY

- **Languages**: MERN stack, Python, HTML & CSS, JavaScript
- **Frameworks**: React.js, Node.js, Tailwind CSS, TypeScript, Agile methodologies
- **Tools**: Git, MongoDB, MySQL, Firebase, CI/CD, REST API design
- **Platforms**: Jupyter Notebook, Visual Studio Code, Docker
- **Soft Skills**: Strong Stakeholder management, People Management, Communication

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WORK EXPERIENCE

FULL STACK INTERN | NoviTech R&D Pvt | Jan 2025 – March 2025

- Developed a responsive Hospital Management System using React, HTML, and CSS.
- Built secure, role-based dashboards for admins and doctors with real-time data access.
- Automated patient workflows, reducing manual effort by 25% and wait times by 30%.
- Designed interactive visualizations for inflow, schedules, and revenue insights.
- Enhanced UI/UX and backend logic, boosting staff productivity by 20%.

PROJECTS

HOSPITAL MANAGEMENT SYSTEM   December 2023 – January 2024
Tech Stack: React, HTML, CSS, Role-Based Auth, Responsive UI, Secure Access Control.

- Developed a Hospital Management System with secure login for Admin (government officials) and Doctors, using React, HTML, and CSS.
- Enabled admins and hospitals to access and monitor patient treatment data, ensuring transparency and compliance with healthcare regulations.
- Implemented role-based dashboards to manage patient records and treatment histories, improving accessibility and efficiency.
- Enhanced data handling with secure access controls, supporting better decision-making for both government officials and medical staff.

SIMPLE HEALTH COACH   October-2024
Tech Stack: HTML, CSS, JavaScript, Risk Prediction Logic, Local Storage, Responsive UI.

- Developed a Health Coach web app using HTML, CSS, and JavaScript to predict risks of non-communicable diseases.
- Designed an interactive risk calculator with instant feedback based on user health inputs.
- Implemented dynamic dashboards and personalized plans, improving awareness and preventive care.
- Enhanced user experience with responsive UI and local data storage, ensuring accessibility across devices.

SPACE DEBRIS TRACKING SYSTEM December-2024

Tech Stack: HTML, CSS, JavaScript, Animated Graphs, Real-Time Simulation, Responsive Design.

- Developed a Space Debris Tracking System using HTML, CSS, and JavaScript with interactive UI.
- Built a debris calculator estimating collision risks and debris movement with over 93% accuracy.
- Implemented animated graph visualizations to simulate real-time debris tracking in orbit.
- Enhanced user engagement with responsive design and dynamic data rendering, making space data easy to understand.

AI-POWERED BACTERIA ANALYSIS January-2025

Tech Stack: Gemini LLMs, DrugBank, PubMed, Streamlit, Python

- Trained Gemini LLMs on custom biomedical datasets (DrugBank, PubMed) to extract insights on bacterial resistance and drug interactions with **over 90% accuracy**.
- Built interactive dashboards using Streamlit to visualize drug synergies, molecular relationships, and therapeutic leads.
- Enabled real-time querying of drug metadata, side effects, and target pathways for clinical and research use.
- Applied NLP techniques to summarize research abstracts and surface trends in antibiotic efficacy.

CERTIFICATES

- Meta Front-End Developer Certificate (React + JavaScript) — Dec 2024
  Full-stack front-end program covering HTML, CSS, JavaScript, React, UI/UX, and interview prep.
- Web Development Using React.js – NoviTech R&D — Jan 2024
  Practical training in building responsive React apps with modular components.
- Gateway Software solutions (Flutter app development) — Apr 2024
  Focusing on building cross-platform mobile applications with responsive UI and native-like performance.
- Let's Upgrade certificates

JavaScript Zero to Hero	Feb 2024
Let's Upgrade fastn Web Dev Expert Certificate	Feb 2024
JavaScript Zero to Hero	Feb 2024
Let's Upgrade fastn Web Dev Expert Certificate	Feb 2024
Let's Upgrade Develop Your Own 'Google'	Feb 2024
Let's Upgrade JavaScript Zero to Hero (5 Days)	Feb 2024
Let's Upgrade Postman API Fundamentals	Feb 2024

Data & Cloud Certifications

- Excel Mastery — Feb 2024
  Advanced Excel training in formulas, pivot tables, and data visualization.
- Azure Fundamentals — Feb 2024
  Microsoft-certified foundation in cloud computing, Azure services, and governance.

UI/UX & Communication

- Google Certified UI Design Course – Coursera — Jan 2025
  UX/UI specialization focused on user-centered design, wireframing, and Figma prototyping.
- lets upgrade Workshop on How to Crack UI/UX Interviews — Feb 2024
  Interview prep workshop covering design principles, portfolio tips, and mock sessions.

Achievements & Participation

- Erode Sengunthar engineering college, Perundurai — Sept 2024
  National level Hackathon – "HACKFEST 2k24"
- Coimbatore Institute of technology, Coimbatore — Oct 2024
  Code O Clock – 24 Hackathon
- SRM University, Chennai — Oct 2024
  24 - Hackathon
- TATA Crucible Campus Quiz 2024 — Oct 2024
  National-level business quiz showcasing analytical thinking and competitive excellence.
- Tamilnadu State council for science and technology — Jul 2023
  State-level Technical workshops on 'Effective Patent Drafting'
- Study world college of engineering, Coimbatore — Apr 2025
  "CRETECH-2k25" – Paper presentation – 2nd Price
- Study world college of engineering, Coimbatore — Apr 2025
  "CRETECH-2k25" – Tech quiz
- Study world college of engineering, Coimbatore — Apr 2025

"CRETECH-2k25" – Project Expo

- Sri Ramakrishna institute of technology, Coimbatore   Oct 2023
"TECHATHON'23"- Paper presentation

- Knowledge institute of technology, Salam   May 2024
Intelligent computing technologies and business systems (ICTBS-2024)

- Dhanalakshmi Srinivasan college of engineering, Coimbatore   Apr 2024
International conference – ICETFE'24

- Nehru Group of institutions   Mar 2025
International conference New – gen technologies

- Nehru Institute of engineering and technology, Coimbatore   Mar 2025
Symposium – 2k25