Hari Shankar Bakkamanthala

 Vadodara, India   harishankar3618@gmail.com   +91 7330920531   in harishankar3618

 harishankar3618

Professional Summary

Passionate computer science student with strong programming fundamentals and problem-solving skills. Experienced in full-stack development with MERN and MEAN stacks, Python scripting, and algorithm implementation. Demonstrated ability to build end-to-end applications with frontend, backend, and database integration. Enthusiastic about learning new technologies and tackling complex programming challenges in a dynamic development environment.

Education

Parul University   *Jul 2022 – May 2026*
B.Tech, Computer Science & Engineering - Cybersecurity   *(Expected)*
Vadodara, India

Sri Sarswathi Junior College   *Jun 2020 – Apr 2022*
Intermediate, Mathematics, Physics, Chemistry
Ongole, India

Sri Rama Krishna E.M High School   *Mar 2010 – Mar 2020*
upto High School
Ongole, India

Technical Skills

Programming Languages: Python, Java, C, JavaScript, SQL, Bash Scripting

Full-Stack Development: MERN Stack (MongoDB, Express.js, React, Node.js), MEAN Stack (Angular), Laravel (PHP)

Frontend Technologies: React, Angular, JavaScript, HTML5, CSS3, Responsive Design

Backend & Database: Node.js, Express.js, Flask, MongoDB, MySQL, RESTful APIs, Database Design

Tools & Technologies: Git, Linux, AWS Cloud, Chrome Extensions, API Integration, Data Structures & Algorithms

Development Experience

Software Development Intern   *Vadodara, India*
Tinkering Hub, Parul University   *Dec 2024 – Apr 2025*

- Developed full-stack applications using Python and modern web frameworks
- Built Chrome extension with real-time data processing and user-friendly interface
- Implemented efficient algorithms and data structures for performance optimization

Technical Development Intern   *Remote*
SkillVertex   *Dec 2024 – Jan 2025*

- Developed automated testing tools and scripts for application validation
- Created comprehensive technical documentation and reports
- Collaborated on projects requiring strong analytical and problem-solving skills

Projects

Full-Stack Vulnerability Tracker Application   GitHub Profile ↗

- Built comprehensive web application using React frontend and Flask backend with MySQL database
- Implemented RESTful APIs for data management and real-time updates

- ○ Created responsive UI with modern design patterns and optimized user experience
- ○ Integrated multiple backend services for data processing and analysis

Real-Time Chat Application *Live Demo* ☑

- ○ Developed secure messaging platform using MEAN Stack (MongoDB, Express, Angular, Node.js)
- ○ Implemented real-time communication with WebSocket integration
- ○ Built end-to-end encryption features and user authentication system
- ○ Deployed scalable application with optimized database queries and performance

Job Portal Web Application *Live Demo* ☑

- ○ Built a full-stack Job Portal using MERN stack (MongoDB, Express, React, Node.js)
- ○ Integrated an Application Tracking System (ATS) to manage and filter candidate applications
- ○ Enabled role-based access for Employers (post/manage jobs) and Candidates (apply/search jobs)
- ○ Implemented candidate tracking features including status updates and application history
- ○ Designed a responsive UI and deployed the recruitment platform for public access

File Analysis Web Platform *Live Platform* ☑

- ○ Created Laravel-based web application with file upload and analysis capabilities
- ○ Implemented algorithm-based pattern matching and signature detection
- ○ Built admin dashboard with data visualization and reporting features

Browser Extension Development *Chrome Extension*

- ○ Developed Chrome extension using JavaScript with machine learning integration
- ○ Implemented real-time URL analysis and user notification system
- ○ Created intuitive user interface with seamless browser integration

Algorithm Implementation Projects *Python/JavaScript*

- ○ Built packet analysis tool for network traffic monitoring and data processing
- ○ Developed password validation system using regex patterns and entropy calculations
- ○ Created image processing algorithms for encryption/decryption using pixel manipulation

Problem Solving & Competitive Programming

- ○ Secured 3rd position in HackArise CTF - demonstrated strong problem-solving and programming skills
- ○ Active participant in programming challenges and technical competitions
- ○ Completed various algorithmic challenges on platforms like PicoCTF
- ○ Regular practice with data structures, algorithms, and coding problems

Relevant Certifications

- ○ AWS Cloud Practitioner Essentials (AWS Training, Aug 2024)
- ○ Google Cloud Professional Certificate (Google Cloud, Dec 2024)
- ○ 8-week Programming & Development Training (Internshala Trainings, 82% score)
- ○ Introduction to Cybersecurity (Cisco) - Programming and Security Fundamentals
- ○ Various online programming and development courses

Languages

Telugu: Native   **English:** Professional Working   **Hindi:** Professional Working