Pranav Hemanth

Bangalore, India

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Education

PES University   **Bangalore, India**
Bachelor's in Technology, Computer Science   *Aug 2023 – June 2027*
CGPA: 9.15
Relevant Courses: Algorithms and Data Structures, Operating Systems, Software Engineering, Web Technologies, Computer Networks, Computer Architecture and Organisation, Data Science, Calculus and Discrete Mathematics

Professional Experience

Center for Information Security Forensics and Cyber Resilience   **PES University**
University Team Member for CTFs   *Oct 2024 – Present*
○ Contributed to improving university ranking on CTF charts by participating in international CTF events.

The Amateur Manager and Scientist (TAMS)
Event Curator, Marketing, and Technical   *Feb 2024 – Aug 2024*
○ Successfully curated and led the event 'Aeroquest' for TAMS'24, managing nearly 200 participants.
○ Spearheaded marketing efforts for TAMS, reaching close to 100 schools across Bihar and Bangalore.
○ Developed the official PESU TAMS website. Oversaw email communications and database operations.

buildspace Nights and Weekends s5
Project Intern   *Jun 2024 – Jul 2024*
○ Developed a novel digital image watermarking technique that is imperceptible and tamper-proof, aimed at combating visual misinformation on the internet.

Helpcreate
Chief Technology Officer, Co-Founder   *Oct 2020 – Aug 2021*
○ Developed a platform to help innovators turn their ideas into businesses through a social media-like web application designed to boost idea visibility and provide tools and services for business development.
○ **Achievement:** Won 3rd place and secured funding at **Eureka! Junior** competition at IIT Bombay.

Projects

Clubtools: A web-based tool for creating, auto-generating, and emailing certificates seamlessly. **Tech Stack:** HTML, CSS, JavaScript, MongoDB.

R3ND3R: Automated rendering, previews, and test case generation for React components to streamline development. Enhances code quality and collaboration while significantly boosting development speed. **Tech Stack:** TypeScript, JavaScript, Python. **Achievement: Won 1st place** at Kodikon 3.0, a national-level hackathon.

T3NS0R5: An ML-driven system to automate zero-day vulnerability responses. Leverages real-time threat analysis to ensure rapid and effective mitigation. **Tech Stack:** HTML, CSS, JavaScript, Python.

Blockheads: A blockchain-based voting system designed to enhance accessibility and transparency in the electoral process. **Tech Stack:** JavaScript, Solidity. **Achievement: Won 1st place** at Arithemenia, a competitive hackathon.

ARMSim-Docker: A Dockerized environment to run ARMSim on macOS, which is not natively supported. This project allowed usage of ARMSim for teaching and learning Assembly and Computer Architecture at university. **Tech Stack:** Docker.

Skills

Programming: Python, C, C++, Go, HTML, CSS, JavaScript, jQuery, React.js, Node.js, Express.js, Next.js, PHP, MongoDB, SQL, MySQL, Git, iOS/Swift, NumPy, Pandas, Scikit-Learn, Keras, TensorFlow, PyTorch, OpenCV, MATLAB, Nim, Zig, Shell, Dockerfile, PowerShell (Bash, zsh), Verilog, Assembly.

DevOps: Docker, Kubernetes, AWS, GCP, Digital Ocean, CI/CD, Containerization, Git, GitHub.

Soft Skills: Collaboration, Risk Management, Agile, Communication, Team Lead.