Dhanusha Baskaran

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Professional Summary

Innovative Computer Science engineer with a stellar academic record (CGPA: 9.1) and a relentless drive to build technology that creates meaningful impact. Passionate about full-stack development, sustainable solutions, and AI-driven applications. Proven ability to architect and deploy production-grade web applications using React, Firebase, and Python. Award-winning hackathon participant recognized for developing transformative solutions to real-world environmental and civic challenges. Combines strong analytical skills with a user-centric approach to deliver scalable, high-performance software. Eager to contribute technical excellence and creative problem-solving to a dynamic engineering team.

Education

- **Government College of Engineering, Srirangam** *2023 – 2027*
  B.E. in Computer Science and Engineering *CGPA: 9.1/10.0*

Projects

- **Sustainable Gaia**
  Streamlit, Firebase, JavaScript, Python, AI/ML, Green AI *GitHub*
  - Architected an environmental compliance platform that analyzes reports and approves projects only if they pose zero environmental harm, addressing sustainability at root cause
  - Designed an anonymous complaint tracking system enabling citizens to report public issues without identity disclosure
  - **1st Prize Winner** at Cipher Lab AI Hackathon, competing against 15+ teams
- **Quantitative Aptitude Quiz Platform**
  React JS, JavaScript, Tailwind CSS, Firebase *Demo*
  - Built a dual-interface platform with student portal for tests and faculty dashboard for real-time analytics
  - Engineered advanced proctoring: prevented tab-switching, auto-submitted exams on malpractice detection, ensuring 100% exam integrity
  - Deployed to GitHub Pages; successfully serving 100+ college students with automated result generation
- **RootCause AI: CivilConnect**
  React JS, JavaScript, Tailwind CSS, MongoDb Atlas, AI/ML *Live Demo*
  - Developed AI-powered civic complaint platform for root-cause discovery and intelligent prioritization of real-world issues
  - Engineered automated officer assignment with specific due dates, streamlining the complaint resolution lifecycle
  - Integrated machine learning algorithms to identify patterns and prioritize critical civic issues efficiently

Technical Skills

Programming Languages	Java, Python, JavaScript
Frontend Development	React JS, HTML5, CSS3, Tailwind CSS, Streamlit
Backend & Database	Firebase, REST APIs, MongoDb
Tools & Platforms	Git, GitHub, VS Code, Vercel

Achievements

- **1st Prize - Cipher AI Hackathon**: Developed award-winning sustainable solution, competing against 15+ teams
- **1st Prize - Aptibyte Competition**: Demonstrated exceptional aptitude and analytical problem-solving abilities
- **Best Academic Performer**: Recognized for maintaining consistent academic excellence (CGPA: 9.1)

Areas of Interest

Full-Stack Web Development | **Sustainable Technology** | **AI/ML Applications** | **Problem Solving & Algorithms** | **Cloud Computing**

Online Presence

Portfolio | LinkedIn | GitHub | LeetCode