

# AMAN TEBRIWAL

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## EDUCATION

**B.Tech in Computer Science (AI & ML) - M.S. Ramaiah University of Applied Sciences** 2024 - Present  
CGPA: 9.02 / 10.0  
**Class XII - Birla Public School, Pilani (BITS Pilani Campus) | PCM + Computer Science** 2024

## TECHNICAL SKILLS

**Languages:** Python, JavaScript  
**Frameworks:** React.js, Node.js, Express.js  
**AI / ML:** Deep Learning, RAG Systems, Computer Vision (OpenCV)  
**Tools:** Git, GitHub, Firebase, MongoDB, Docker, REST APIs  
**Design:** UI/UX, Figma, Wireframing, Prototyping

## EXPERIENCE

**Frontend & UI/UX Intern - Blue Planet InfoSolutions Pvt. Ltd.** June 2025 - Nov 2025

- Architected and delivered scalable, reusable UI component library for enterprise-grade platforms, reducing design-to-code time by -30%
- Transformed Figma wireframes into pixel-perfect, responsive React.js applications, ensuring cross-device consistency
- Collaborated cross-functionally with product and engineering teams in an Agile environment to ship features on schedule

**Freelance Full-Stack Developer** 2024 - Present

- Engineered and deployed 3+ full-stack applications using React.js, Node.js, MongoDB, and Firebase, serving real end-users
- Owned complete product lifecycle - from UX research and wireframing to backend development and production deployment
- Designed UI/UX systems and landing pages that improved client conversion rates through clean, accessible interfaces

## PROJECTS

**[SignNova - Real-Time Sign Language Detection System](#)** Python, OpenCV, Deep Learning

- Built a real-time ASL gesture recognition system using OpenCV and deep learning that converts hand signs into text and synthesized speech, bridging communication gaps for 70M+ deaf individuals globally
- Trained custom CNN model to classify 26 ASL alphabets with high accuracy, deployed as a live demo application

**[GreenChain IoT - Based Smart Waste Management System](#)** IoT, Sensors, Backend, Dashboard

- Engineered an end-to-end IoT waste monitoring system using smart bin sensors that streams real-time fill-level data to an analytics dashboard, enabling data-driven municipal waste collection decisions
- Reduced simulated overflow incidents in test deployment by optimizing pickup scheduling through live sensor alerts

**[StackRadar - AI-Powered Tech Trend Analysis Platform](#)** Python, Web Scraping, AI/NLP

- Developed an AI-driven platform that scrapes GitHub trending repos and developer forums to surface emerging technology trends, helping teams make informed tech-stack decisions
- Implemented NLP-based categorization to cluster trends by domain (Web, AI, DevOps), with a clean visualization dashboard

## OPEN SOURCE CONTRIBUTIONS

- Selected Contributor - GirlScript Summer of Code (GSSoC): Merged PRs adding new features and bug fixes to active open-source repositories
- Selected Contributor - Open Source Connect Global: Contributed across multiple global codebases, honing collaboration skills in large, distributed developer communities

## ACHIEVEMENTS & LEADERSHIP

- Third Runner-Up National Sustainability Hackathon 2026 National Level Hackathon (competed against 200+ teams)
- Core member - Under25 Thought Leaders Community (top-tier youth leadership network)
- National-level MUN delegate and competitive debater - honed public speaking and policy analysis
- Competitive sports: Volleyball, Athletics & Horse Riding - demonstrates discipline, teamwork, and resilience