

NS Divya Singh

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About Me

Final-year AI & ML **undergraduate** with hands-on experience in **machine learning, deep learning, NLP**, and multimodal systems. **Published researcher** in Journal of Emerging Technologies and Innovative Research. Skilled in **full-stack development, cloud applications**, and **data-driven** problem solving. Passionate about building scalable, user-centric AI solutions that bridge research and real-world impact.

Skills

- **Programming Languages:** Python, C, Java, SQL, HTML & CSS, JavaScript.
- **Technical Skills:** Google Cloud Platform, Firebase, TensorFlow, PyTorch, React.js, Node.js, Next.js, MongoDB, MySQL, Git, GitHub, Microsoft Power BI, Tableau, Android Studio, Visual Studio Code, Google Analytics, Google Collab, PyCharm
- **Additional Skills:** Ability to manage, Communication skills, Attention to Detail, Leadership, Presentation, Documentation, Problem-Solving & Research.

Education

AMC Engineering College, BE in Artificial Intelligence and Machine Learning Dec 2022 – May 2026

- GPA: 8.9/10
- **Coursework:** Machine Learning, Deep Learning, Natural Language Processing, Software Development Life Cycle, Data Analytics, Data Engineering.

Experience

Internshala Student Program, Internshala March 2025 – May 2025

- Led campus outreach to promote Internshala's internship and training programs.
- Organized sessions and communication drives, increasing platform awareness among students.

Web Development Intern, VisionAstraa Startup Academy - Bangalore Aug 2024 – Apr 2025

- Built and deployed responsive websites with 95%+ mobile compatibility for **VisionAstraa EV Academy** and **VisionAstraa Startup Academy** websites.
- Optimized front-end performance through **clean code practices, caching, and iterative UX testing**, reducing **average load time**.
- Collaborated **cross-functionally** to strengthen client engagement and brand visibility.

Publications

Fake News Detection: An AI-based approach June 2025

Published in JETIR (Journal of Emerging Technologies and Innovative Research) - Volume 12, Issue 6

Published Paper ID: JETIR2506313

Projects

Fake News Detection (Research Publication) github

- Developed a **multimodal AI model** integrating **NLP, OCR, and speech recognition** for fake news detection.
- Utilized **Google Gemini LLM** and **deep learning pipelines** to enhance accuracy and interpretability.
- Tools: Python, Tesseract-OCR, Vosk, Gemini API

VisionAstraa Company Website (Internship Project) website

- Designed and deployed the official **VisionAstraa website** with a **responsive layout** and **>95% mobile**

compatibility.

- Implemented **SEO best practices** and optimized load performance for improved user experience.
- Tools: HTML, CSS, JavaScript, React, Tailwind CSS

Maze Solver AI (Algorithm Visualization)

github

- Developed an interactive Python tool demonstrating the **A* pathfinding algorithm** in real-time.
- Enabled users to create custom mazes, set start/end points, and observe algorithm navigation step-by-step.
- Tools Used: Python, Pygame, Matplotlib

SpotFix (Android and Web Civic-Tech Platform)

github

- Developed an **Android and web platform** for reporting and mapping civic issues using geolocation and image uploads.
- Implemented **real-time updates** for community-driven urban problem-solving.
- Tools Used: Tools: Android (Java), Html, CSS, React, Firebase

Certifications

- AWS Academy Graduate – Machine Learning Fundamentals (AWS Academy, 2025)
- Postman API Fundamentals Student Expert (Postman, 2025)
- Google AI Essentials (Coursera, 2025)

Achievements & Activities

- Honored with the **Best Paper Award** at IC-AISMART 2025.
- Won **1st Prize** in “**Code-6-Craze**” hackathon at AMC Engineering College, Bangalore.
- Won **3rd Prize** in "Algo-Arena" hackathon at AMC Engineering College.
- Participated in **NationBuilding Case Study Competition 2025**.
- Participated in **CryptAI by Invictus 2025** (AI/ML challenge).
- Participated in **Amazon ML Challenge 2025** engaged with real-world AI/ML problems.