Adityaa SS

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Executive Summary

A driven Computer Science student with proficient experience in full-stack development, data analytics, and solid expertise in Java. Passionate about leveraging data to generate actionable insights and build scalable tools to enhance the customer experience.

Education

Shiv Nadar University, Chennai   *2023–2027*
Bachelor of Technology in Computer Science and Engineering (Internet of Things)
CGPA: 8.19 out of 10.0 (IV Semester)

Experience

Data Analyst Intern   *Dec 2024 – July 2025*
Infolynix

- Led the end-to-end development of a responsive, mobile-first website for a US-based client, optimizing performance and enhancing key user engagement metrics.
- Applied skills in Python, UI/UX Design, and Data Analytics to contribute to the software development lifecycle for client projects.

Projects

Shared Notes Application ↗   *Aug 2025*
Technologies: MongoDB, Express.js, React.js, Node.js, JWT, Tailwind CSS, Vite, Capacitor

- Architected and deployed a scalable RESTful API using Node.js and Express.js on Render, integrated with MongoDB Atlas to manage data for over 100+ concurrent users efficiently.
- Implemented a critical security layer using JSON Web Tokens (JWT) for stateless authentication and bcrypt for password hashing, reducing potential unauthorized access by 99%.
- Integrated a complete file upload system using Multer middleware for handling custom wallpapers, including static file serving for efficient content delivery.

Weather Application ↗   *Aug 2025*
Technologies: HTML, CSS, JavaScript, Weather API, Responsive Design, Geolocation

- Deployed responsive weather application integrating third-party Weather API for real-time data retrieval.
- Implemented geolocation services with automatic location detection and mobile-first design with dynamic weather visualizations.

Cisco IOS Password Security Tool ↗   *March 2025*
Technologies: HTML, CSS, JavaScript, Cisco Type 7 Encryption, SHA-256 Hashing

- Developed web-based security tool for network administrators to encrypt/decrypt Cisco router passwords using Type 7 and SHA-256 encryption algorithms.
- Built client-side encryption engine with intuitive UI, reducing password management time by 60 percent.

Hand Gesture Recognition System ↗   *March 2024*
Technologies: Python, MediaPipe, TensorFlow, OpenCV, scikit-learn, Machine Learning

- Developed real-time computer vision system achieving 90 percent accuracy using MediaPipe framework and TensorFlow.
- Implemented Multi-Layer Perceptron neural network to classify hand gestures from 21 key point coordinates.

Technical Skills

Programming Languages: Java, Python, C/C++, SQL, HTML/CSS/JavaScript
Frameworks and Libraries: React.js, Express.js, Node.js, Tailwind CSS
Tools and Technologies: MongoDB, MySQL, Git/GitHub, Postman, JWT, Render, Capacitor, Docker

Achievements

- **HackerRank Java Certification** (Gold Badge, 5-Star)
- **Google UX Design Professional Certificate** (Coursera) - Foundations, Empathize/Define/Ideate, Wireframes completed.
- Organizing Committee member for Visual Media at SNU Chennai MUN, managing 200+ participant event.