

Bheemanaboyani Sai Thrishul

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[LinkedIn](#) • [Github](#) • [CodeChef](#) • [Codeforces](#) • [Leetcode](#) • [Personal Portfolio](#)

PROFESSIONAL SUMMARY

Software Engineering student with foundations in data structures and algorithms. Developed backend and full-stack systems using the MERN stack, Python, and JavaScript. Hands-on experience with secure authentication, systems, RESTful APIs, and SQL/NoSQL databases. Applied AI, data analysis, and machine learning to develop intelligent, data-driven applications.

EDUCATION

Bachelor of Technology (AI ML) Newton School of Technology (ADYPU) - Pune	2024 - 2028 Grade: 8.14/10.0
Intermediate (Class XII) Sri Medha V junior college - Hyderabad	2022 - 2024 Grade: 8.97/10.0
Matriculation (Class X) Kendriya Vidyalaya - Anantapur	2019 - 2022 Grade: 8.34/10.0

PROJECTS

Project Management App (Github) (Demo)	November 2025
• Architected a collaborative project management system supporting 5+ workflow entities with boards, tasks, roles	
• Executed secure authentication and authorization using JWT and Google OAuth for multi-user access control	
• Designed and exposed 15+ RESTful API endpoints for task operations, invitations, dashboards, and audit logging	
• Integrated WebSocket-based real-time updates to synchronize actions across 20+ concurrent user sessions	
• Optimized backend queries to reduce API latency by approximately 30%	
Global Public Health Indicators Analysis (Github)	October 2025
• Analyzed 4+ health and socioeconomic datasets using Python, Pandas, and NumPy to identify life expectancy drivers.	
• Identified Schooling and Infant Mortality as stronger health predictors than GDP through correlation analysis.	
• Applied 3 machine learning models (Decision Trees, K-Means, KNN) to cluster 100+ countries into inequality groups	
• Visualized 10+ comparative health trends and clusters using Matplotlib and Seaborn to support data-driven insights	
Travel Bucket List (Github) (Demo)	April 2025
• Designed a web-based application to manage 10+ destinations with tagging, visit status tracking, and data persistence	
• Implemented 4+ geolocation features including map visualization, location search, weather data, and time information	
• Delivered a responsive and animated user interface with filtering, progress tracking, and interactive destination display	
• Implemented a retrieval-based workflow using Gemini LLM to generate contextual destination insights	
• Tech Stack: React, Vite, TailwindCSS, Leaflet.js, Gemini API, OpenWeather API, Unsplash API, LocalStorage	

CERTIFICATIONS

AI for Everyone DeepLearning.AI (Link)	May 2025
Studied AI fundamentals and machine learning concepts with emphasis on real-world business and industry applications	
Hackron Newton School of Technology X Blinkit (Link)	March 2025
Finalist in a 24-hour team hackathon, building a production-ready solution for a dark-store operations problem	

SKILLS

Computer Languages: SQL, JavaScript, CSS, HTML, NoSQL, TypeScript, Python, Machine Learning

Data Tools: NumPy

Software Packages: MongoDB, MySQL, Node.js, React, Prisma ORM, Next.js, Express JS, Figma, Matplotlib, Pandas

Additional Courses: Data Structure

Others: OAuth 2.0, GitHub Actions, Bash Scripting, Postman, Git and Github

EXTRA-CURRICULAR ACTIVITIES

- Solved 200+ DSA problems across competitive programming platforms
 - CodeChef: Rating 1442 – Codeforces: Max rating 1076
- Open-source contributor with merged pull requests in JavaScript-based repositories
- Successfully completed **Hacktoberfest 2024** through multiple accepted contributions.