

# Aastik Narang

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## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, Java, Go, Dart, C/C++, Rust, HTML, CSS

**Frameworks & Libraries:** Spring Boot, React, Next.js, Flutter, Node.js, Express.js

**Databases & Tools:** MySQL, Redis, MongoDB, Firebase, PostgreSQL, Git, GitHub, Docker

**Technologies:** Full-Stack Development, API Design, Cloud Computing, Asynchronous Systems, AI Integration

## EDUCATION

**Vellore Institute of Technology**

Vellore, India

*Bachelor of Technology in Computer Science and Engineering; CGPA: 8.53*

*Aug. 2022 – May 2026*

## EXPERIENCE

**PeritysTech**

Jan. 2025 – July 2025

*Mobile Application Developer*

*Remote*

- Engineered Flutter application with 8+ interactive pages for Tamil Nadu tribal welfare department.
- Orchestrated multi-language localization and integrated custom REST API with 20+ endpoints and comprehensive logging.
- Architected scalable state management solution, enhancing application performance and user experience.

**Onboarding.club**

Nov. 2023 – Jan. 2024

*Intern*

*Remote*

- Analyzed blockchain technologies including decentralization protocols, Layer 1/2 solutions, and decentralized applications.
- Authored technical documentation for Web3 concepts, amplifying social media engagement by 70%.

## PROJECTS

**Mini CRM Platform | *Java, Spring Boot, Next.js, Redis, MySQL, Docker, Gemini AI***

*Sep. 2025*

- Developed a full-stack CRM with a dynamic UI for audience segmentation and personalized campaign delivery.
- Engineered a scalable backend with an asynchronous, pub-sub architecture using Redis for data ingestion and campaign processing, designed to handle high-throughput.
- Implemented secure, token-based authentication with Google OAuth 2.0 and JWTs, and integrated a Gemini AI feature to convert natural language prompts into logical rules.

**Badal - Cloud Security Vulnerability Scanner | *Python, React.js, REST APIs***

*Feb. 2025*

- Constructed cloud security vulnerability detection platform with automated scanning and National Vulnerability Database integration, tested on 90+ deployments and capable of detecting more than 304,000 CVEs.
- Implemented functionalities like generating dependency graphs, security suggestions with both CLI and website.

**CLI-RPG - Terminal-Based Game | *Rust, RataTUI, Multithreading***

*June 2024 – July 2024*

- Crafted terminal RPG using Rust with graphical TUI interface and multithreaded background audio.
- Implemented intuitive graphics using ascii art and symbols with 5+ Minigames.

**Charcha - Sentiment Analysis API | *Go, Python, React, PostgreSQL, NLP***

*March 2024*

- Designed RESTful API processing 100+ Reddit comments for sentiment analysis with automated scraping, NLP integration, and data visualization.
- Used Gofiber for the API with a PostgreSQL database for efficient data storage and retrieval.

## EXTRACURRICULAR ACTIVITIES

**Association for Computing Machinery (ACM-VIT)**

May 2023 – Present

*ACM-W Vice-Chairperson*

*Vellore, India*

- Spearheaded development of high-traffic technical platforms supporting 1000+ concurrent users for organizational events.
- Facilitated winning of Emerging Chapter Award at ACM India Summit 2025, demonstrating exceptional chapter leadership.