

# Tarankumar P

[GitHub](#) | [Medium](#) | [LinkedIn](#)

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## Education

Rajalakshmi Engineering College | Thanadalam, Kanchipuram

Bachelor of Engineering (B.E.) - Mechatronics (2022-2026)

- Minors: Blockchain and Cybersecurity
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## Technical Skills

- Programming: JavaScript, Python, CSS, React.js, Next.js, Node.js
  - Databases: MongoDB, PostgreSQL, Firebase
  - Cloud & DevOps: Docker
  - Tools & Technologies: Git, REST APIs
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## Projects

### University Library Management System

- Engineered a production-grade library management system with rate-limiting, DDoS protection, and caching to optimize performance and security.
- Implemented multi-media uploads, complex database queries, and advanced error handling to enhance user experience.
- Developed automated workflows with custom notifications, improving system efficiency by 40%.

### Healthcare Platform

- Designed and built a comprehensive healthcare platform for patient registration, appointment scheduling, and medical record management.
- Implemented complex form handling and SMS notifications to improve patient communication.
- Enhanced efficiency of appointment scheduling by 50%, reducing administrative workload.

### Banking & Finance Management App

- Developed a full-stack banking application using Next.js 14 with a finance management dashboard.
  - Integrated multiple bank account connections, real-time transaction tracking, and peer-to-peer money transfers.
  - Optimized UI/UX, resulting in a 30% improvement in user engagement and seamless financial tracking.
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## Certifications & Achievements

- 7th Place, **District-Level Chess Tournament** (Chess.com rating: 1700)
  - Photoshop 2024 Essential Training – LinkedIn** | Issued Sep 2024
  - DaVinci Resolve Fundamentals – LinkedIn** | Issued Aug 2024
  - The Complete Full-Stack Web Development Bootcamp** – Udemy | Feb 2025
  - Python 101 for Data Science – IBM** | Issued Mar 2024
  - Cybervidyapeeth Foundation - Digital Forensics using Kali Linux** | Issued Nov 2023
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## Hobbies & Interests

- Drawing:** Skilled in pencil sketching and artistic illustration.
  - Chess:** Competitive player with strategic thinking skills.
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