# TALPADA PRAKASH

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## SUMMARY

Aspiring Software Developer pursuing a Bachelor's degree in Information Technology from Shantilal Shah Government Engineering College, graduating in 2026. Proficient in full-stack web development with a focus on the MERN stack—MongoDB, Express.js, ReactJS, and Node.js. Experienced in creating dynamic applications and RESTful APIs, implementing secure authentication, and managing databases. Strong understanding of data structures and algorithms, actively solving problems on GeeksForGeeks with over 80% acceptance rate. Committed to leveraging emerging technologies to deliver innovative solutions.

## SKILLS

- **Frontend Technologies:** HTML, CSS, JavaScript, ReactJS.
- **Backend Technologies:** NodeJS, Express.
- **Programming Languages:** C, C++.
- **Data Structures & Algorithms**: Deep understanding and problem-solving with C++.
- **Database Management:** MongoDB, SQL, MySQL.

## EDUCATION

### B.E - Information Technology
Shantilal Shah Engineering College | CGPA: 8.48 | 2022-2026(Expected)

### HSC - Science Stream
Ghee Undel Highschool | Percentage: 74.5% | 2020-2022

## PROJECTS

- ❖ **HealthScan – AI Based Dietary Suitability Checker**
  **Hackathon Project | Role: Backend Developer**
  Built during Nirma University Hackathon 3rd Runners-Up) – an AI-integrated website to help users determine if food products are safe based on their health conditions.
  **Tech Stack:** Node.js, Express.js, MongoDB, Python AI, Barcode Scanning API, Next.js (frontend by team)
  - Designed and developed secure backend APIs using Node.js, Express.js, and MongoDB to handle user data, diseases, and food product evaluations.
  - Integrated barcode scanning and image data processing to extract product details.
  - Implemented disease-product compatibility logic and AI model integration (Python) for food suggestions.
  - Delivered easy-to-understand results along with healthier food alternatives.
  - **GitHub: HealthScan**
- ❖ **Restaurant Management System**
  **Design Engineering Project | Role: Team Lead**
  **Tech Stack:** HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js, MongoDB Developed a full-featured restaurant management system with a responsive frontend and robust backend.
  - Table booking system with availability checks
  - Dynamic menu display with real-time item updates
  - Admin panel for managing menu items, bookings, and orders Integrated
  - OTP-based password reset and secure data handling
  - **GitHub: eFood**

## KEY ACHIEVEMENTS

- ✓ **GATE Qualification:** Qualified GATE 2025 with a score of 33.47 and AIR 15,665 in Computer Science & IT.
- ✓ **Hackathon Achievement:** Secured top 10 rank among 200+ teams by building an AI-powered dietary analyzer.

## STRENGTH

- Excellent at networking and relationship building
- Solid foundation in DSA