

# Pusala Kotes

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## Professional Summary

A highly motivated Computer Science student with a strong foundation in backend engineering, passionate about building secure, scalable, and high-performance server-side applications. Experienced in designing and deploying RESTful APIs, managing relational and NoSQL databases, and implementing robust authentication and authorization systems. Proficient in Node.js, Express.js, MongoDB, and MySQL, with hands-on experience delivering production-ready backend services. Adept at solving complex algorithmic challenges, optimizing system performance, and writing clean, maintainable, and well-documented code.

## Education

### Chaitanya Bharathi Institute of Technology

Bachelor of Engineering in Computer Science  
GPA: 8.13/10.0

Hyderabad, Telangana

Graduation: June 2027

## Experience

### Full Stack Intern - Future Interns

August 2025 – Present

- Designed and developed backend services with Node.js and Express.js to handle API requests and integrate with MongoDB.
- Implemented user authentication and authorization using JWT to ensure secure access control.
- Optimized database queries and API endpoints, reducing response time by up to 30%.
- Collaborated with frontend developers to ensure seamless API integration and data flow.

### Junior Developer - CBIT CDSC Club

August 2025 – Present

- Contributed to multiple team projects focusing on web development and backend solutions.
- Assisted in building full-stack applications using React, Node.js, Express.js, and MongoDB.
- Collaborated with senior developers to design scalable APIs and optimize database structures.
- Participated in coding discussions, peer reviews, and workshops to improve team productivity and knowledge sharing.

## Projects

### Portfolio Website

Technologies: React, Bootstrap, Node.js, Express.js

Live: pusalakotesh-portfolio.netlify.app

- Designed and developed a personal portfolio website to showcase projects and skills.
- Implemented responsive UI with modern design practices for better user experience.
- Deployed the website to Netlify for professional online presence.

### React Calculator

Technologies: React, JavaScript, CSS

- Built an interactive calculator with dynamic state management using React hooks.
- Implemented arithmetic operations with clear error handling for invalid inputs.
- Focused on clean UI design and optimized rendering for better usability.

### Netflix Clone

Technologies: React, Node.js, Express.js, TMDb API

- Built backend routes to fetch and serve movie data from TMDb API to the frontend.
- Managed API requests with caching strategies to improve performance.
- Applied asynchronous programming and error handling for smooth data loading.

## Skills

- Programming Languages:** Python, Java, JavaScript
- Frontend Development:** React, HTML, TailwindCSS, Bootstrap, JavaScript
- Backend Development:** Node.js, Express.js, RESTful APIs, Authentication & Authorization
- Databases:** MongoDB, MySQL, PostgreSQL
- Core CS Concepts:** Data Structures and Algorithms (DSA)
- Tools & Technologies:** Git, GitHub, VS Code, Postman
- Soft Skills:** Problem-solving, Collaboration, Quick Learner

## Certifications & Achievements

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- HackerRank: SQL Intermediate Certificate
- Internshala: Web Developer Certificate
- NPTEL: Data Science For Engineers
- LeetCode: 100+ consecutive days of coding, demonstrating consistent problem-solving skills.