SHLOK KAKADE

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Education

Shah and Anchor Kutchhi Engineering College   2023 - 2027

Bachelor of Technology in Computer Engineering (CGPA: 7.00 /10.00)   *Mumbai,Maharashtra*

- **Honours in Cybersecurity** Network Security, Cryptography Basics, System Security, Vulnerability assessment, Secure Communication, Cyber Threats and Defense Mechanisms.

- **Relevant Coursework:** Data Structures and Algorithms (C/C++),Theory of Computation, Prob & Stat in CS (Python), Operating Systems, Compiler Design, Linear Algebra w/Computational Applications (Python), Machine Learning Fundamentals, Artificial Intelligence Basics

Technical Skills

Languages: C, C++, Java, JavaScript, HTML, CSS, Flutter
Technologies: React.js, Angular,Django, Flask, Express.js, TensorFlow, Bootstrap, Flask, Node.js
Concepts: Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, AWS, Cloud Computing

Projects

Visitor Pass Management System | *MongoDB, Express.js, React.js, Node.js*

- Developed a full-stack digital visitor management system using the MERN stack, eliminating manual entry registers and improving check-in efficiency by over 40%.
- Implemented secure authentication and role-based authorization (Admin, Security, Employee, Visitor) using JWT to ensure controlled system access.
- Designed and integrated QR-code based visitor passes with downloadable PDF badges, enabling fast and secure visitor verification during check-in and check-out.
- Built pre-registration and appointment scheduling features allowing employees to invite and approve visitors, reducing front-desk workload by 30%.
- Implemented real-time visitor logs, dashboard analytics, and search/filter reports to enhance monitoring, auditing, and visitor tracking.

Real-Time Chat Application | *React.js, Node.js, Express.js, Socket.IO*

- Developed a real-time chat application enabling users to send and receive messages instantly using WebSocket-based communication.
- Implemented Socket.IO for bidirectional, event-driven messaging, allowing seamless real-time updates without page refresh.

Real-Time Collaborative Document Editor | *React.js, Django, Django Channels, WebSockets, MySQL*

- Developed a real-time collaborative document editor using Django Channels to support simultaneous multi-user editing.
- Implemented automated testing for a critical module using Selenium, reducing regression bugs by 30% and ensuring a more stable release cycle.
- Built an asynchronous Django backend to manage document sessions, collaboration logic, and event broadcasting.

Certifications

- Python 3.4.3 Certification — Spoken Tutorial, IIT Bombay   *Mar 2025* (90%)
- PHP and MySQL Certification — Spoken Tutorial, IIT Bombay   *Oct 2025* (77.8%)
- C Programming Certification — Spoken Tutorial, IIT Bombay   *Aug 2024* (75%)
- Java Programming Certification — Spoken Tutorial, IIT Bombay   *Aug 2024* (70%)
- AWS Cloud Practitioner Essentials — Practitioner Essentials   AWS   *Oct 2025*