

ABHISHEK

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EDUCATION

National Institute of Technology Karnataka, Surathkal

Master of Computer Applications - CGPA : 9.09

Aug. 2024 - Present

Surathkal, Karnataka

Govt. College Kota

Bachelor of Science (Mathematics) - Percentage : 75.55%

Sep. 2020 - July 2023

Kota, Rajasthan

Kendriya Vidyalaya No 1 Kota

Class XII - Percentage : 92.4%

June 2020

Kota, Rajasthan

TECHNICAL SKILLS

Languages: C, C++, JavaScript, SQL, HTML/CSS

Developer Tools: VS Code, Git, GitHub, Postman

Web Technologies: React, Node.js, Express.js, PostgreSQL, Socket.IO

Core CS Subjects: DBMS, OOPs, Operating Systems

Other Tools/Concepts : REST API, JWT Authentication, Bcrypt, Nodemailer, Real-time Communication, Full-Stack Development (PERN Stack)

PROJECTS

DocSlot – HealthCare Appointment System (Team Project) 🔗

Tech Stack : PERN Stack, JWT, Redis, Bcrypt, Nodemailer

- Built a full-stack appointment scheduling platform enabling patients to book and doctors to manage appointments.
- Implemented authentication and session management using **cookies** and **JWT**.
- Integrated **Redis** for secure and efficient **OTP-based verification** during registration and password reset.
- Used **Nodemailer** to send automated email notifications for OTPs and appointment confirmations.
- Developed a responsive frontend using **React** and **Tailwind CSS**, and built a **RESTful backend with Node.js, Express, and PostgreSQL**.

SwiftPad – Real-time Drawing Pad 🔗

Tech Stack : Socket.IO, Node.js, HTML5 Canvas, JavaScript

- Built a LAN-based application where an Android tablet functions as a graphic pad, mirroring input to a PC browser in real-time.
- Used **Socket.IO** for efficient, low-latency, bidirectional communication over local networks.
- Implemented **QR code-based pairing** for instant session setup.
- Designed the drawing interface with **HTML5 Canvas**, enabling smooth strokes and real-time synchronization between devices.

ACHIEVEMENTS

Secured All India Rank 83 in NIMCET 2024.