Raj Arayan

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EDUCATION

Netaji Subhas University of Technology (NSUT), Delhi   **2024 − 2028**
Bachelor of Technology, Instrumentation and Control Engineering

S.K.P. Vidya Vihar   **2020 − 2022**
Senior Secondary (12th Grade)   *Percentage: 84%*

Mount Assisi School   **2020**
Secondary (10th Grade)   *Percentage: 82.3%*

EXPERIENCE

INSTACK AI
Founding Engineer Intern   **Oct 2025 − Present**

- Developed and deployed the **full-fledged corporate website** for InStack AI, building both **frontend (React.js, TypeScript, Tailwind CSS)** and **backend (Python, FastAPI)** with responsive design and SEO optimization.
- Engineered **production-ready AI voice agents** using **Retell AI** and **N8N workflows** for automated appointment scheduling, implementing **Google Calendar API integration**, **multi-service bookings**, and **payment confirmation systems**.
- Built **scalable backend automation** with **webhook integrations**, **JSON schema validation**, and **context-aware conversation flows**, achieving **95%+ accuracy** in intent recognition.

PROJECTS

AI Salon Receptionist   **Oct 2025**

- Developed **end-to-end voice booking system** handling appointment scheduling, rescheduling with fee calculations, and **multi-service bookings** with specialist availability across different time zones.
- Integrated **Google Calendar** and **Google Sheets** for automated booking management with 14-day advance booking rules and eligibility screening workflows.
- **Tech Stack:** Retell AI, N8N, Google Calendar API, Webhooks, JSON Schema

AI Dental Receptionist   **Oct 2025**

- Built **intelligent voice agent** for dental clinic appointment management with patient scheduling, dentist availability checks, and **automated reminders** via SMS and email.
- **Tech Stack:** Retell AI, N8N, Google Calendar API, Automation Workflows

Blue Carbon Registry   GitHub

- Developed **full-stack web application** to track and manage blue carbon credits with **RESTful APIs** and intuitive UI for data visualization.
- Implemented **complex workflow logic** for handling multiple data types, credit calculations, and verification processes.
- **Tech Stack:** JavaScript, React.js, Node.js, Express.js, MongoDB

TECHNICAL SKILLS

Languages:	C++, Python, Java, JavaScript, TypeScript, C
Web Development:	React.js, Node.js, Express.js, FastAPI, HTML, CSS, Tailwind CSS
AI & Automation:	Retell AI, N8N, Prompt Engineering, Webhook Integration
Databases:	MySQL, MongoDB, PostgreSQL, Google Sheets API
Developer Tools:	Git, GitHub, VS Code, Docker, Google Calendar API, RESTful APIs

ACHIEVEMENTS

- **SIH 2025 Semi-Finalist:** Selected among **top 500 teams** from college for Smart India Hackathon internal rounds.
- **JEE Mains 2024:** Secured a rank in the **top 3%** among 1.6 million candidates.
- **Hacktoberfest 2025:** Successfully completed Hacktoberfest, contributing to multiple **open-source projects** including interactive gaming applications with voice I/O and UI enhancements.
- **Problem Solving:** Solved **100+ questions** on LeetCode and GeeksforGeeks.

CORE COMPETENCIES

Soft Skills:	Leadership, Team Collaboration, Communication, Problem-Solving
Coursework:	Data Structures & Algorithms, OOP, Database Management Systems