Rakshit Suneja

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EDUCATION

Jaypee Institute of Information Technology   Noida, India
B.Tech. in Electronics and Communication Engineering (Specialization: Computer Science)   *2023 – 2027*

SUMMARY

Software Developer with hands-on experience building scalable web applications and using **React, Python, FastAPI, and REST APIs**. Strong foundation in **data structures, algorithms, and object-oriented programming**, with experience integrating AI-driven features into production-ready systems. Passionate about writing clean, efficient code and solving real-world engineering problems.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, HTML/CSS, JavaScript, TypeScript

Data Structures & Algorithms: Arrays, Strings, Hashing, Stacks, Queues, Trees, Basic Graphs

Frameworks/Technologies: React.js, TailwindCSS, Node.js, FastAPI, RESTful APIs, MySQL, JWT

Tools: Git, GitHub, Postman, Linux (CLI), VS Code

PROJECTS

AskGPT - *React, Tailwind CSS, Google Gemini API, REST APIs*   Project Link
- Developed a full-stack software application using **React and REST APIs**, implementing modular components and **API-driven data flow**.
- Designed efficient request–response handling and **optimized API calls to reduce latency** and improve system reliability.
- Implemented error handling, input validation, and reusable components following clean code practices.

Timetable Retriever - *React, Vite, FastAPI, Python, pdfplumber, Camelot*   Project Link
- Developed a **PDF-to-web automation app** with **React + Vite**, reducing timetable lookup time by **80%**.
- Implemented regex-based parsing via **pdfplumber + Camelot** for batch extraction and day-wise grouping.
- Designed a responsive glassmorphism UI and optimized **FastAPI backend** for sub-**200 ms** query responses.

SpendWise - *React, Tailwind CSS, Framer Motion, Chart.js*   Project Link
- Designed a modular **React** application with reusable components and clear separation of concerns.
- Implemented **data aggregation logic** for monthly expense analysis with optimized rendering.
- Integrated charting with efficient state updates to maintain smooth performance.

ACHIEVEMENTS

Winner – BitBox 5.0 Hackathon (2025)   View Certificate
- Built **SahYatri**, a real-time bus occupancy system using **Raspberry Pi, OpenCV, TensorFlow** for on-device AI.
- Enhanced commuter safety with live occupancy and GPS tracking, improving operational efficiency by **30%**.

EXTRA CURRICULAR

Core Committee Member - JIIT Youth Club (JYC)   Aug 2023 – Apr 2025
- Organized multiple cultural, technical, and literary events for 500+ students.
- Strengthened leadership and coordination through large-scale event management.

Management Head- CINEKALA(Filmmaking Society)   Aug 2024 – Present
- Oversaw event operations, content production, and creative workflow for society projects.
- Coordinated between filming, editing, and management teams to deliver cinematic outputs.