Sachin Gupta

Full Stack Developer — AI Integration

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Profiles	LinkedIn GitHub Portfolio 🏆 **SIH 2K25 Finalist**

Summary

Innovative Full Stack Developer combining strong frontend command in React with powerful backend logic using Node.js and Python Flask. Focused on building next-generation web platforms featuring seamless AI integration and real-time responsiveness via Firebase.

Experience

MedTrack. — **2024**
Lead Developer/Web Developer — *Hyderabad, Telangana, India*

- Built medication management platform using Python Flask and React for real-time reminders and health tracking.
- Trained machine learning models and managed RESTful APIs with React UI for personalized health recommendations.
- Implemented secure authentication and real-time data synchronization using Firebase backend services.

VBIT IEEE — **2024 - 2025**
IEEE Member (Researcher & Development) — *Hyderabad, Telangana, India*

- Conducted comprehensive research on emerging technologies and technical methodologies to support academic advancements.
- Organized and coordinated technical events and workshops to foster innovation and knowledge sharing among peers.

Education

Vignana Bharathi Institute of Technology — **Sep 2022 - Jul 2026**
B.Tech, Computer Science - Data Science — *Bachelor of Technology - BTech*

Coursework: Web Development, Database Systems, Python, JavaScript

Projects

Heart Disease Prediction Platform
Built comprehensive heart disease prediction platform using ML algorithms for early detection and risk assessment.

- Achieved 94% prediction accuracy using ensemble learning with Random Forest and SVM models.
- Developed interactive React dashboard for healthcare professionals with patient risk assessment tools.
- Implemented secure Flask API endpoints for patient data processing with medical data compliance.

Python Flask, Machine Learning, React.js, Scikit-learn, Medical APIs, Firebase

Parkinson Disease Detection Web Platform
Created AI-powered Parkinson's disease detection platform using voice analysis for early-stage diagnosis.

- Implemented ML models for early-stage disease detection with 89% accuracy using voice pattern analysis.
- Developed intuitive React frontend with real-time audio processing and result visualization.
- Integrated secure patient data management with comprehensive diagnostic reporting system.

Python Flask, React.js, TypeScript, Machine Learning, Audio Processing, Firebase

Tech News Aggregator Platform
Developed comprehensive tech news aggregation platform with real-time content curation and personalized experience.

- Built scalable Node.js backend with MongoDB for efficient data storage and retrieval from multiple sources.
- Created responsive React frontend with advanced filtering and personalized news feed recommendations.
- Integrated multiple news APIs with automated content categorization and user authentication system.

Node.js, React.js, MongoDB, News APIs, Express.js

Skills

Machine Learning & AI	Backend Development	Frontend Development
●●●●○	●●●●●	●●●●○
Database Management	**Cloud Computing**	**Leadership**
●●●●○	●●○○○	●●●●○
API Development	**Problem Solving**	**Team Collaboration**
●●●●●	●●●●●	●●●●○