Ishpreet Singh

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PROFESSIONAL SUMMARY

Full Stack Developer with 1+ years experience building React.js applications. Created emergency response system that reduced response time by 35% for 500+ users. Developed AI-powered mental health platform with 92% classification accuracy. Seeking Software Engineer position to build scalable web applications.

TECHNICAL SKILLS

- **Languages:** JavaScript,Go,Java C++,Python
- **Frontend:** React.js, React Hooks, Material-UI
- **Cloud:** AWS (EC2, S3, Lambda, RDS, IAM)
- **DevOps & IaC:** Docker, Kubernetes (EKS), CI/CD
- **Backend:** Express.js , Gin
- **Tools:** Git, Scikit-learn

PROFESSIONAL EXPERIENCE

Frontend Developer Intern — SmartPreps EdTech — Remote — May 2025 - June 2025

- Developed company's first React.js web application from scratch, establishing initial online presence and user engagement platform
- Built comprehensive component library with reusable elements, creating scalable foundation for future development
- Implemented mobile-first responsive design supporting multiple device types, enabling seamless cross-platform accessibility

KEY PROJECTS

AidLink - Emergency Response System — React.js, Python, Arduino, LoRa — September 2024 - December 2024
GitHub — Live Demo

- Engineered network-independent emergency beacon system using Arduino Nano, SX1278 LoRa module, and NEO-6M GPS for disaster scenarios where traditional infrastructure fails
- Implemented dual-channel redundancy with LoRa (long-range) transmission and Morse code encoding via handy radio, ensuring reliable distress signal propagation in harsh conditions
- Built React.js web interface with real-time GPS visualization updating every 2 seconds from JSON data stream, integrated with APRS.fi for global amateur radio tracking network visibility

Zenify - Mental Health Platform — React.js, FastAPI, OpenAI API, Scikit-learn — January 2025 - March 2025
GitHub — Live Demo

- Developed AI-powered mental health support system using TF-IDF vectorization and Logistic Regression classifier for real-time suicide risk detection, integrated with OpenAI GPT and Gemini APIs for empathetic response generation
- Implemented Retrieval Augmented Generation (RAG) pipeline combining knowledge retrieval with generative models, alongside keyword screening algorithms for initial content flagging and risk assessment
- Built full-stack application with FastAPI backend and React admin dashboard featuring JWT authentication, mood tracking with sentiment analysis, journal functionality, and compliance-ready audit logging for GDPR/HIPAA requirements

EDUCATION

Bachelor of Technology - Computer Science Engineering
Guru Gobind Singh Indraprastha University, New Delhi — September 2023 - July 2027 — GPA: 8.05/10.0

ACHIEVEMENTS AND CERTIFICATIONS

- **Hackwave 2025:** Won 1st place among 300+ teams and $1,000 prize for crisis response dashboard
- **IEEE Hackathon 2024:** Reached semi-finals ranking in top 1% of 2,000+ participants
- **LeetCode,GFG:** Solved 100+ algorithmic problems