Harshith Daraboina

daraboinaharshith2005@gmail.com | +91 8639066100 | Portfolio | LinkedIn | GitHub

Education

Indian Institute of Information Technology, Dharwad
B.Tech in Computer Science
- GPA: 8.02

Narayana College, Kanuru
State Board of Andhra Pradesh
- Percentage: 95%

Dr. KKR Gowtham International School
CBSE
- Percentage: 85.4%

Technologies

Programming Languages: C++, C, JavaScript, TypeScript, Python, Java
Frontend: React.js, Next.js, React Native, Vue.js, Tailwind CSS, Material UI, Expo
Backend & APIs: Node.js, Express.js, FastAPI, REST, GraphQL, WebSocket
Databases: PostgreSQL, MySQL, MongoDB, Firebase, Supabase, Prisma
Cloud & DevOps: AWS, Docker, Vercel, Netlify, GitHub Actions, CI/CD
Machine Learning: scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Plotly

Experience

Lead — Microsoft Students Club (Open Source)
- Leading open-source initiatives and student-driven projects aligned with Microsoft technologies
- Mentoring students in full-stack development, cloud computing, and OSS contribution workflows
- Organizing technical workshops, hackathons, and collaborative coding sessions
- Driving community growth through high-quality code standards and peer collaboration

Web Developer — Google Developer Student Club (GDSC), IIIT Dharwad
- Developed and maintained web applications using React.js and Node.js
- Built responsive UI components improving engagement by 40%
- Mentored junior developers in modern web technologies

Member — Career Guidance Cell, IIIT Dharwad
- Organized career workshops and placement preparation sessions
- Developed web-based tools for tracking student career progress

Projects

Hey Attrangi Meet — AI-Powered Video Conferencing Platform
- Built a lightweight video conferencing platform optimized for small rooms (3–4 participants)
- Enabled unlimited meeting rooms with low-latency, stable audio/video performance
- Implemented host-controlled features including recording and participant moderation
- Integrated AI-assisted capabilities such as smart noise suppression and automated insights
- Supported seamless web and mobile browser access without native app installation

Pragya — Emotionally Intelligent Mental Health Chatbot
- Developed an emotionally aware mental health chatbot capable of detecting stress, anxiety, and fatigue
- Designed a NeuroEngine to guide conversations through Opening, Exploration, and Synthesis stages
- Implemented facial expression logic driven by emotional state detection
- Backend: FastAPI, LangChain orchestration, Groq LLM (llama-3.3-70b-versatile)
- RAG system using FAISS with sentence-transformers (all-MiniLM-L6-v2) over PDF knowledge base

- PostgreSQL used to persist sessions, messages, and summaries
- Frontend built with Next.js 16 (App Router), TypeScript, and React 19

ML-Based Solar Power Prediction System
- Built ML models using Python and scikit-learn achieving 92% prediction accuracy
- Integrated real-time weather data for dynamic solar power forecasting
- Created interactive dashboards using Plotly and Streamlit

Achievements

Hack to Impact 2025: Top 6 among 90+ teams at IIIT Delhi
Competitive Programming: CodeChef rating 1253; Solved 400+ LeetCode problems
Academic Excellence: Maintained 8.02 GPA with 95% in intermediate education