MANISHA R P

: rpmanisha42@gmail.com
: 9900059888
: Karnataka,India
: LinkedIn
: github

OBJECTIVE:

To leverage my strong foundation in full-stack development and artificial intelligence to contribute to innovative and impactful software solutions. With hands-on experience in developing AI-powered applications—ranging from healthcare diagnostics to intelligent voice agents—I aim to apply my technical expertise and problem-solving abilities in a dynamic and growth-oriented organization.

EDUCATION:

- JSS Academy of technical Education, Bengaluru, Karnataka [2022-2026]
  Graduating with average of **9.1** CGPA from all sems.
- Universal PU College, Ramanagara, Karnataka [2020-2022]
  Graduated with percentage of **94.67%.**
- Tagore English School New Millennium High School, Ramanagara, Karnataka [2020]
  Graduated with percentage of **94.56%.**

SKILLS:

- AI tools
- Python
- Java
- C
- DSA
- Full stack development

PROJECTS:

1. **Neurological disorder prediction using AI**
   - Developed an AI-powered model to predict neurological disorders (Alzeheimer, Parkinson, Meningioma, Glioma) using clinical data & MRI imaging, enhancing early diagnosis & decision support in healthcare.
     Tech stack: Python, Tensorflow, keras, Scikit-learn, Pandas, OpenCV.
2. **Full Stack AI Course Generator with NextJs**
   - Implemented a full stack web application that dynamically generates personalized learning paths & course content in AI/ML based on user goals,skill level & time commitment.
     Tech stack: React.js, node.js, express.js, MangoDB, Tailwind CSS.
3. **AI agent for task allocator**
   - Designed AI power agent capable of dynamically allocating tasks to team members based on skillsets, workload & priority.
   - Implemented decision-making logic using rule based system & ML algorithms to optimize resource utilization & task efficiency.
     Tech stack: Python, Scikit-learn, flask, react.js, tailwind css.
4. **Human Cognitive & Emotional State Monitoring System using AI**
   - Designed an AI-driven approach for real-time emotion and cognition monitoring through physiological signal fusion and time-series modeling. Developed a multi-modal ML model using Random Forest, ARIMA, and Computer Vision techniques to predict cognitive and emotional states from EEG, heart rate, and facial data.
5. **AI voice agent with NextJs**
   - Developed AI-powered voice assistants using Next.js and OpenAI APIs to enable seamless conversational experiences. Implemented speech recognition and text-to-speech features for real-time voice interaction. Delivered scalable, user-focused solutions by integrating modern web technologies with natural language processing.

CERTIFICATIONS:

1. Hackwell 5.0 participation certificate [JSSATEB]
2. NPTEL online certification on internet of things (81%)
3. NPTEL online certification on DSA(60%)
4. NPTEL online certification on Java(55%)
5. Infosys course completion certification on project Management with agile

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LANGUAGES:

- English- proficient
- Kannada- native
- Hindi- proficient