UMESH V

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SUMMARY

Tech driven Software Engineer with hands-on experience in full stack development, AI-driven applications, and product operations. Skilled in building scalable web platforms using MERN stack and FastAPI. Passionate about creating intuitive products from concept to deployment.

PROFESSIONAL EXPERIENCE

PICKCEL   **Apr 2025 – May 2025**
Software Developer Intern   *Bangalore, India*
- Collaborated with team members, learning coding standards and best practices.
- Assisted in debugging and troubleshooting to resolve technical issues effectively.

SPOTWIN   **Feb 2025 – Apr 2025**
Product Management Intern   *Bangalore, India*
- Designed user onboarding screens and flows using Figma, improving first-time user experience.
- Managed and tested push notifications using Expo and React Native to boost user engagement.
- Worked closely with developers and designers to plan and deliver features on time.

EDUCATION

M S Ramaiah Institute Of Technology   **June 2025**
B.E In Information Science- CGPA - 8.38/10.00   *Bangalore, Karnataka*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Computer Networks
- Database Management System (DBMS)
- OOPS

PROJECTS

DigiHealth ↗ | JavaScript, Supabase, Python, FASTapi
- DigiHealth enables users to securely upload, organize, and access all their healthcare documents in an online platform.
- By leveraging advanced AI, the system helps users quickly search for and understand important medical information within their documents.
- The platform prioritizes privacy and security, ensuring that each user's sensitive health data remains accessible only to them.

HABITUNE - Seamless property search ↗ | MONGODB, EXPRESS, REACT, NODE
- Enables users to search and explore properties for rent, lease, and sale.
- Provides interactive map-based navigation to view listings and local amenities.
- Offers AI-powered chat assistance for neighborhood insights on geography and safety.

Drug Protein Interaction Prediction ↗ | Pytorch, Python, Biopython, Streamlit
- Developed a Model that predicts the interaction between a drug ligand and a protein aminoacid sequence.
- The model takes the drug ligand as a SMILES and protein as sequence in string.
- Coverts SMILES into molecular graph and protein into distance graph provides the output as a probability of reaction

TECHNICAL SKILLS

Languages: C++, Python,Java(OOPs) JavaScript
Operating Systems: Windows, Ubuntu
Technologies/Frameworks: GitHub, SQL, React, Express, fastAPI
Soft Skills: Time Management, Problem Solving, Teamwork, Leadership

ACHIEVEMENTS

- **Secured** Track Prize for Fin-tech in Hackfest 2024 (36-hour National Level Hackathon by NMAM Institute Of Technology)
- **WON** Multiple Internal Hackathons conducted in MSRIT.