

PRATHAP SELVAKUMAR

prathapsk@hotmail.com | +91 9363036114 | <https://www.linkedin.com/in/prathapselvakumar/> | <https://prathapsk.vercel.app/>

PROFESSIONAL SUMMARY

A Software Engineer passionate about the intersection of medical robotics and artificial intelligence, with a solid background in computer science and hands-on industry experience. I aspire to contribute to cutting-edge technologies that advance healthcare and improve patient outcomes. Adaptable and analytical, with a strong foundation in statistical analysis, machine learning, and medical data processing. Proficient in Python, with a solid grasp of data visualization, biomedical signal analysis, and database management. Skilled in leveraging data-driven insights to develop intelligent, patient-centric solutions and drive impactful decisions in the medical domain.

WORK HISTORY

Aug 2024 - May 2025

Software Engineer

C-SQUARE Info Solutions - Kochi

- Proficient in front-end development using React, with a strong understanding of component-based architecture
- Experience in building and optimizing dynamic, high-performance web applications
- Hands-on expertise in deploying React applications using cloud and containerized environments
- Skilled in integrating APIs, handling real-time data, and ensuring seamless user interactions

Sep 2024 - Nov 2024

Python Developer Intern

C-Square Info-Solutions Ltd - Kochi, India

- Optimized application performance with efficient algorithms and data structures.
- Improved code quality by implementing rigorous testing and debugging processes.
- Implemented custom Python libraries to simplify complex workflows and improve maintainability.
- Maintained comprehensive documentation of code changes, bug fixes, feature additions, making it easier for future developers to understand the system's architecture efficiently.

Feb 2024 - Apr 2024

AI/ML Project Intern

Qentelli Solutions Private Ltd, -
Hyderabad, India

- Assisted in designing an AI-powered chat bot, leading to enhanced user experience and increased customer satisfaction.
- Ensured proper documentation of all work processes that helped create a knowledge base resourceful for future interns and team members.
- Trained neural networks for image recognition tasks, enhancing the overall system's ability to accurately identify objects within images.

EDUCATION

BTech: CSE- SRM IST RAMAPURAM | Chennai

Oct 2020 – Aug 2024

SKILLS

- PYTHON
- Node
- Big Data analytics
- Data analysis
- Research and development
- Data exports
- React
- SQL
- Python
- Software design
- Big data analytics
- Web scraping

PUBLICATIONS

- Comparative Analysis Implementation of Queuing Songs in Players Using Audio Clustering Algorithm - Published in IGI Global Publication.

ACADEMIC INTERNSHIP COMPLETED

- GAIP-Big Data Analytics using deep learning - National University of Singapore
- GAIP-Big Data Analytics using deep learning – Amazon Web Service