

PRATHAP SELVAKUMAR

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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 Ltd (Subsidiary of Reliance Retail) – Kochi, India

- 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

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.

Sep 2023 - Nov 2023

Python Developer Intern

C- Square Info Solutions Ltd (Subsidiary of Reliance Retail) – 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.

EDUCATION

- **MSC: ROBOTICS** – UNIVERSITY OF MANCHESTER | Manchester, United Kingdom.
- **BTech: CSE- SRM IST RAMAPURAM** | Tamil Nadu, India.

Sep 2025 – Current
Oct 2020 – Aug 2024

SKILLS

- PYTHON
- Node
- Big Data analytics
- Data analysis
- React
- SQL
- Python
- Big data analytics

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