

Keerthana B V

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SUMMARY

MCA graduate and entry-level Software Developer with strong hands-on experience in full-stack and AI-driven application development. Skilled in Python, Java, JavaScript, React, SQL, and RESTful APIs, with experience working in Agile/Scrum environments. Proven ability to build scalable web applications, integrate machine learning models, and deliver measurable outcomes. Passionate about solving real-world problems through clean, efficient, and ethical software solutions.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C++
- **Frontend:** React.JS, HTML5, CSS3, Bootstrap
- **Backend & APIs:** Node.js, Python Flask, RESTful APIs
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase
- **Tools:** Git, GitHub (**Version Control**), Jira, Jenkins, Netlify, and Software Manual Testing.
- **Concepts:** OOP, SDLC, Agile/Scrum, XAI

WORK EXPERIENCE

ASPL | Software Development Trainee | Bengaluru, India

- Developed 5+ responsive web applications using HTML, CSS, JS, React.js, improving load speeds by 20% and ensuring 100% mobile compatibility.
- Built the **Avant Enterprise website** as part of a team, implementing a dynamic service module where service details update in real time based on user selection using **JavaScript-driven templates and configuration files**.
- Contributed to an **in-house HRMS MVP**, developing **authentication-secured modules** (login, attendance, onboarding) supporting **50+ users**, implementing **data encryption** for privacy, and integrating **Python Flask APIs with PostgreSQL**, while working in an **Agile/Scrum environment** and delivering a fully **responsive design**.

View Live Project: <https://avantenterprise.in> | <https://aspltech.in/>

TECHNICAL PROJECTS

AI-Powered Legal Document Analysis with an Integrated Trust and Safety Framework

[\[View Certificate\]](#)

- Presented a research paper titled "AI-powered Legal Document Analysis with an integrated Trust and Safety Framework" at the National Conference on Recent Innovations in Engineering (NCRIE-2025).
- Architected a full-stack AI application using React.js, Node.js, and BERT to automate legal document review workflows.
- Achieved **84.9% F1-score** and **84.7% accuracy** on the CUAD benchmark dataset using transformer-based models.
- Processed and analyzed **500+ legal documents**, reducing manual review effort significantly.
- Designed and enforced an interactive **Trust & Safety dashboard** for privacy analysis, fairness auditing, and real-time model evaluation.
- Followed iterative software engineering practices with weekly mentor feedback and continuous system improvements, performed **end-to-end testing**.

Daycare Website Development – Angel's Empyrean Kindergarten (Client Project)

- Created a **static, responsive website** using **React.js, HTML5, and CSS3**, implemented a **child-friendly, colorful UI** aligned with early-childhood branding.
- Applied **mobile-first responsive design** to ensure a consistent user experience across desktops, tablets, and smartphones.
- Managed deployment via Netlify and performed **end-to-end testing** before stakeholder delivery.

View Live Project: <https://angels-empyrean.netlify.app/>

Explainable AI Clinical Decision Support Dashboard

- Followed **Scrum methodology** by working in iterative sprints, conducting regular mentor reviews, and integrating feedback to improve system features and performance.
- Constructed a **Streamlit-based dashboard** that predicts heart disease risk and provides **transparent model explanations using SHAP and LIME**, enabling **real-time patient data analysis**.
- Managed a module to **quantitatively compare XAI method consistency**, empowering clinicians with **critical insights into prediction reliability**.

EDUCATION

Master of Computer Applications,

May 2025

RV Institute of Technology and Management, Bengaluru, India

- **Field of Study:** Software Engineering & Artificial Intelligence
- **Key Coursework:** Data Structures & Algorithms, Machine Learning, Cloud Computing
- **CGPA:** 8.2

Bachelor of Computer Applications,

Sept 2023

Community Institute of Commerce and Management, Bengaluru, India

- **Field of Study:** Computer Science & Application Development
- **Key Coursework:** Database Management (DBMS), Object-Oriented Programming, Web Technologies
- **CGPA:** 8.4

CERTIFICATIONS & AWARDS

- **Paper Presentation Award:** National Conference on Recent Innovations in Engineering (NCRIE-2025).
- **Certified MERN Stack Developer:** Dyashin Technosoft.
- **Certificate of Appreciation:** For successful delivery of Client Project (Angel's Empyrean).

SOFT SKILLS

Communication | Problem Solving | Troubleshooting | Cross-functional Collaboration