

KEERTHANA B V

Full Stack Developer | React.js | Node.js | Python | REST APIs | AI-Integrated Applications
+91 9901724479 | keerthana.b.v.codes@gmail.com | Bengaluru, Karnataka | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Blog](#)

PROFESSIONAL SUMMARY

I build and ship. Promoted from intern to developer in 3 months. Deployed a BERT model that hit 84.9% F1 on a legal benchmark dataset. Configured Linux VPS servers that serve real clients in production. My work sits at the intersection of full-stack engineering and applied AI equally comfortable designing a PostgreSQL schema, integrating a transformer model, and writing Nginx config. Presented original research at NCRIE-2025.

TECHNICAL SKILLS

Core Stack: React.js, Node.js, Express.js, Python, JavaScript (ES6+), PostgreSQL, RESTful APIs

Frontend: Next.js, React Router, Vite, Tailwind CSS, Bootstrap, HTML5, CSS3, Framer Motion

Backend & Data: Python Flask, SQLAlchemy, Prisma ORM, MongoDB, MySQL, Firebase, JWT, bcrypt, Nodemailer

AI / Machine Learning: BERT, OpenAI API, SHAP, LIME, Explainable AI (XAI), NLP, OCR (tesseract.js)

DevOps & Tools: Nginx, Linux VPS, Git, GitHub, Netlify, Vercel, Postman, Jira, Recharts, NPM Workspaces

WORK EXPERIENCE

Software Developer | ASPL Tech Solutions Pvt. Ltd. — Bengaluru, India

Oct 2025 – Present

Joined as Intern (Oct 2025), promoted to Full-Time Developer (Jan 2026)

- Shipped 8+ production web applications using React.js, Node.js, Express.js, and PostgreSQL for clients across multiple industries, each delivered on time and deployed to live infrastructure.
- Built a full-stack HRMS using React.js and Python Flask, replacing paper-based workflows with digital onboarding, attendance tracking, and leave management across 4 departments.
- Implemented Role-Based Access Control (RBAC) using PyJWT and bcrypt, enforcing strict data isolation across Admin, HR, Manager, and Employee portals — each role restricted to its own data scope.
- Designed RESTful APIs with SQLAlchemy ORM over PostgreSQL for complex multi-table queries across user profiles, attendance, and leave records; built Recharts dashboards for real-time HR analytics.
- Architected a full-stack research platform using Next.js and NPM Workspaces with a monorepo structure — separate frontend, admin, and backend environments, Prisma ORM, and NextAuth.js authentication.
- Deployed 3+ client websites on Hostinger Linux VPS with Nginx reverse proxy, SSL/TLS configuration, and domain setup — built reusable server config templates now used across all new deployments.

PROJECTS

AI-Powered Legal Document Analysis with Trust & Safety Framework | React.js, Node.js, BERT, Python, OpenAI API | [GitHub](#)

- Engineered a full-stack MERN application for real-time AI-driven legal clause extraction — users upload PDFs or Word documents and receive structured risk analysis within seconds.
- Fine-tuned a Python-based BERT transformer model to 84.9% F1-score and 84.7% accuracy on the CUAD benchmark dataset (510 legal contracts); integrated OpenAI API to convert model outputs into plain-language risk summaries.
- Built a Trust & Safety module with automated PII redaction and a live dashboard for fairness auditing, privacy analysis, and model evaluation; research paper presented at NCRIE-2025, KSIT.

Explainable AI Clinical Decision Support Dashboard | Python, Streamlit, SHAP, LIME

- Built a Streamlit dashboard that predicts heart disease risk and explains predictions using SHAP and LIME visualizations, giving clinicians transparent insight into model behaviour.
- Developed a comparison module to quantitatively evaluate XAI method consistency across patients, enabling measurable confidence scoring for clinical decision support. (Academic Project, 2024–2025)

Angel's Empyrean Kindergarten — Client Website | React 19, Vite, Framer Motion, React Router | [Live Site](#)

- Built a fully responsive single-page application using React 19 and Vite; implemented React Router navigation across 6+ sections with Framer Motion scroll-reveal animations.
- Integrated an external admission form workflow and deployed on Netlify with continuous deployment configured for zero-touch updates on new pushes.

CERTIFICATIONS & AWARDS

- Best Paper Presentation Award — National Conference on Recent Innovations in Engineering (NCRIE-2025), KSIT
- Certified MERN Stack Developer — Dyashin Technosoft

EDUCATION

Master of Computer Applications (MCA)

Aug 2025

RV Institute of Technology and Management, Bengaluru | CGPA: 8.2

Bachelor of Computer Applications (BCA)

Sept 2023

Community Institute of Commerce and Management, Bengaluru | CGPA: 8.4