

Karan Palpandi

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Work Permit: Student Long-Term Visa

EDUCATION

- **VSB - Technical University of Ostrava** Ostrava, Czechia
Master of Science in Information Technology Sept. 2025 – May. 2027
- **Bharathiyar University** Coimbatore, India
Bachelor of Science in Information Technology; GPA: 3.16 (7.9/10.0) May. 2019 – June. 2022

SKILLS

- **Programming Languages:** Python, JavaScript, SQL, HTML, CSS.
- **Frameworks and Libraries:** PyTorch, Scikit-learn, NumPy, Pandas, React JS, Next JS, TailwindCSS.
- **Tools/Platforms:** Git, Azure, Google Colab, VS Code, PyCharm, WebStorm, Linux.

PROJECTS

- **Chatbot Application:** Built a real-time AI chatbot with **Next.js** and **Mistral AI Open API**, featuring a responsive, accessible UI, serverless Edge runtime, reusable components, lazy loading, and secure authentication via Clerk, deployed with CI/CD pipelines on Vercel.
- **ChatBot Demo**

EXPERIENCE

- **Blue Yonder** Bengaluru, India
Technical Consultant - Cloud Aug 2024 - Aug 2025
 - **Automation and Monitoring:** Developed Python-based automation and monitoring scripts for data validation, error detection, and performance tracking, reducing manual effort and improving reporting accuracy by **15 Percent**
 - **Performance Optimization:** Enhanced system performance, availability, and reliability by implementing infrastructure best practices, proactive monitoring, and automated alerting, resulting in higher uptime and service resilience
- **LTIMindtree** Hyderabad, India
Linux Administrator Aug 2022 - Aug 2024
 - **Infrastructure Management:** Administered and optimized a **500+ Linux server environment (RHEL)** across DEV/TEST/PROD on AWS Cloud, ensuring 99.9 Percent uptime, high availability, and compliance with enterprise standards.
 - **System Maintenance and Automation:** Led monthly patching cycles, server provisioning/decommissioning, and LVM configuration, leveraging ITIL/ITSM practices and ServiceNow for change and incident management.
 - **Performance and Security Optimization:** Diagnosed and resolved issues such as **CPU utilization bottlenecks, implemented root cause analysis (RCA)** , managed SUDO privileges, and enforced vulnerability remediation to enhance server performance and security.
- **Tranform Tech** India
Frontend Developer Nov 2021 - Jun 2022
 - **Web Application Development:** Designed, developed, and deployed high-performance, responsive web applications using **React.js, Next.js, TypeScript, HTML5, CSS3, and modern JavaScript (ES6+)** , ensuring cross-device compatibility, accessibility, and optimal user experience
 - **System Integration and Maintenance:** Integrated RESTful APIs, implemented efficient state management (Redux), and maintained scalable, testable codebases with Jest and React Testing Library to ensure high-quality production releases

LANGUAGES

- **Czech(Beginner), English (C1), German(Beginner):**