

Lakshmipriya RajeshKanna

267-261-2987 | rs.lakshmipriya08@gmail.com | [LinkedIn](#) | [Github](#)

SUMMARY

Software engineer with a Master's from Drexel University and hands-on experience in backend, frontend, and AI-based systems. Proficient in Python, Java, JavaScript, React, Spring Boot, and SQL with knowledge of cloud platforms like AWS. Proven ability in building REST APIs, ML models, and GenAI, NLP, and cloud, using Agile and TDD to boost efficiency and engagement.

EDUCATION

Drexel University Philadelphia, PA

Master of Science, Software Engineering (GPA: 3.72)

Sep 2023 - Mar 2025

Philadelphia, PA

Sona College of Technology Salem, India

Bachelor of Technology, Information Technology (GPA: 3.8)

Sep 2018 - Jun 2022

Salem, India

PROFESSIONAL EXPERIENCE

Epilogue Systems

DevOps Intern

Sep 2025 - Present

Philadelphia, PA

- Composed and managed containers using Docker and Kubernetes to streamline environment consistency and scalability
- Initiated log monitoring for volume, error, source using Graylog, boosting production observability and incident response by 60%

Techavidity

Software Engineer Intern

May 2025 - Aug 2025

Remote

- Created multi-page Streamlit dashboards for Amazon analytics, applying advanced Python and data visualization for real-time insights
- Built Neo4j referral system, preprocessing data with BigQuery and applying GDS algorithms via Cypher to optimize patient referrals
- Explored GraphRAG on Neo4j, integrating structured/unstructured data and HuggingFace models to optimize AI workflow cost

Intellint Technology LLP

Full Stack Developer

Apr 2022 - Dec 2022

Chennai, India

- Engineered a client portal for shipment tracking, invoicing using React, Node.js/Express, PostgreSQL for 50+ daily users
- Incorporated JWT authentication and IAM control, refined database queries, and wrote Jest tests covering 80% of functionality
- Managed AWS deployments with Docker and CI/CD pipelines, ensuring on-time delivery of multiple client projects

PROJECTS

AI-Personal Portfolio | [Project Link](#)

React, TypeScript, Node.js, DeepSeek, Ollama

Jul 2025 - Present

- Built an AI-driven portfolio featuring an interactive chat interface for dynamic user engagement and personalized exploration
- Leveraged LLM embeddings and backend logic for context-aware conversations and dynamic project exploration
- Planning to implement CI/CD, Docker, Terraform, and cloud deployment for scalable, production-ready infrastructure

Sonic Touch – AI Powered E-commerce for Visually Impaired Users | [Project Link](#)

React, Node.js, Tailwind, Rasa, AWS, Docker

Jan 2025 - May 2025

- Deployed a voice-enabled e-commerce platform for visually impaired users; improved accessibility engagement by 85%
- Integrated AI-powered assistant using Rasa, enabling conversational interactions and voice support for seamless user experience
- Developed full-stack application with React, Node.js, MongoDB, containerized via Docker for portable, cloud-ready deployment

Dungeon Crawler Game Engine | [Project Link](#)

Java, GitLab CI/CD, Design Patterns

Jan 2024 - Mar 2024

- Designed a Java-based game with GUI, player movement, coins, enemies, and power-ups, providing interactive gameplay
- Applied TDD and XP practices, achieving 95%+ unit test coverage, ensuring robust game mechanics and reducing bugs
- Automated CI/CD pipelines with GitLab, ensuring code quality and reliable deployments through testing and coverage reports

Face Mask Detection and Verification System | [Project Link](#)

PyTorch, ResNet50, TensorFlow

Aug 2023 - Nov 2023

- Prepared and preprocessed dataset with scaling, filtering, and annotations to ensure high-quality input for training
- Trained ResNet50 model for mask detection, using residual connections to improve accuracy and prevent vanishing gradients
- Performed face verification using cosine similarity to identify individuals not wearing masks for automated safety monitoring

TECHNICAL SKILLS

- Languages:** Java, Python, JavaScript, SQL, C++, C#
- Frontend:** ReactJS, Tailwind CSS, HTML5, CSS3, Angular
- Backend:** Node.js, Express.js, Spring Boot, Flask, REST API, Next.js, Kafka
- DevOps & Tools:** Docker, Kubernetes, Terraform, Git, GitHub Actions, GitLab CI/CD, Jenkins, IaC, AWS EC2 S3
- Database:** MySQL, MongoDB, PostgreSQL, Neo4j
- Testing:** JUnit, Mockito, Jest, Cucumber, Mutation Testing, Static Code Analysis
- Other Tools:** Linux, TDD, XP, Agile (Scrum/Kanban), Jira, Trello