

Lakshmi Naveen Reddy Molom

mlakshmireddy1270@gmail.com | 5109803289 | linkedin.com/lakshminaveenreddy1270 | github.com/lakshminaveen721

EDUCATION

- Bachelor's of Engineering, VTU** | GPA : 3.8 Aug 2018 – May 2022 | Bengaluru, IN
- Masters in Computer Science, California State University, East Bay** | GPA-3.8 Aug 2023 – May 2025 | Hayward, USA
Data structures and Adv. Algorithms, OS design, Web Systems, Cloud computing, Adv Computer Networks, Cybersecurity, AI, System Design, Machine Learning.

SKILLS

- Programming Languages:** Java, Python, C++, C#, PHP, JavaScript, Bash, Powershell
- Web Technologies | Frameworks:** HTML5, CSS3, JSON, Bootstrap, TypeScript, React.js, Next.js, Node.js, Express.js, Spring Boot, Agile, Django, Responsive UI Design
- Databases | Cloud:** MySQL, SQL, MongoDB, Amazon Web Services(AWS S3, EC2), PostgreSQL, NGINX, Render
- Developer Tools | Visualization:** Git, GitLab CI, Eclipse, JUnit, Docker, Visual Studio, Postman, Jira, Spark, Maven, Kubernetes, Splunk, Scrum, REST API, FastAPI, Microsoft Suite, Cron Jobs, GitHub Actions (CI/CD)
- Other:** Linux, Networking (TCP/IP, DNS), Agile Development, Algorithms, Code Review, REST API Design, Distributed Systems

PROFESSIONAL EXPERIENCE

- Student Assistant, California State University, East Bay** Sep 2024 – May 2025 | Hayward, USA
- Developed and deployed internal full-stack web applications using React.js, FastAPI, and PostgreSQL, improving faculty project tracking and student resource management while reducing manual workflows by 50%.
 - Built scalable RESTful APIs and automated deployments with Docker and GitHub Actions, enhancing application performance and deployment consistency in a distributed development environment.
- IT Support Engineer, Chartwells Higher Education Dining Services** Jan 2024 – May 2025 | Hayward, USA
- Diagnosed and resolved hardware, network, and software issues across POS and inventory systems, achieving a 98% resolution rate and minimizing service disruptions in campus dining locations.
 - Automated repetitive support tasks like device provisioning and user access resets using Bash and PowerShell scripts, reducing ticket response time by 40%.
 - Collaborated with backend teams to troubleshoot API and SQL-based sync failures between local terminals and cloud systems, improving system reliability and data accuracy by 25%.
- Software Engineer, Invention Technologies and business Solutions LLP** Aug 2022 – Jul 2023 | Bengaluru, IN
- Refactored and optimized 50+ REST APIs using Express.js and Node.js, reducing average response time by 20% and lowering server costs by 15% across three clusters.
 - Built interactive dashboards with React.js and Chart.js to visualize sales trends, enabling data-driven inventory decisions that reduced excess stock by 15% and increased turnover rate by 10%.
 - Automated server health checks and deployments using Shell scripts, cron jobs, and Docker on AWS, improving operational efficiency by 25% and ensuring consistent, scalable environments.
- Software Engineer Intern, Invention Technologies and business Solutions LLP** May 2022 – Jul 2022 | Bengaluru, IN
- Designed innovative data preprocessing workflows which enhanced the efficiency of cleaning and transforming large datasets exceeding 1 million rows using Pandas and NumPy, leading to accelerated insights generation.
 - Automated machine learning model deployment with Kubernetes, achieving a 95% success rate in production deployments, and realized a 25% improvement in resource utilization while scaling to 1000+ nodes.
 - Engineered and maintained CI/CD pipelines for automating model training and deployment with GitHub Actions and Kubernetes, streamlining the workflow and reducing deployment time by 30%.
- Freelance Web developer, Self Employed** May 2020 – Aug 2021 | Bengaluru, IN
- Delivered full-stack web applications for small businesses using React.js, Node.js, Django, PostgreSQL, Firebase, HTML5, CSS3, Bootstrap, TypeScript, and Spring Boot adapting quickly to varied tech requirements and timelines.
 - Led the development of a real-time food ordering system for Gurukrupa Restaurant, enabling customers to place orders and track status live, while providing admins with a backend to manage menu and orders.
 - Deployed full-stack solutions on Netlify and Render, integrating RESTful APIs and Firebase Realtime Database to deliver responsive UI/UX, seamless data sync, and complete project execution from architecture to client onboarding.

PROJECTS

- Mini Netflix Clone, React.js, Node.js, Express.js, MongoDB, AWS S3, JWT, HTML5, CSS3, JavaScript, Git, GitHub.**
- Built a full-stack streaming platform (Mini Netflix Clone) using React.js, Node.js, Express, and MongoDB, with secure JWT authentication and AWS S3 for scalable video storage; optimized rendering and API performance led to 95% faster video load times and boosted user engagement by 40% during testing.
- Encrypted P2P File Sharing, AES, HTML, Bootstrap, MySQL, Docker, FastAPI, Python**
- Developed a secure File Sharing Web App using FastAPI and a custom HTML frontend UI, enabling real-time file exchange via WebSockets and AES encryption; improved transfer latency by ~50% and enhanced user experience with a responsive interface.