

Kumayl Lokhandwala

Software Engineer | Full Stack Development | AI/ML

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SUMMARY

Computer Science student at VIT Vellore with hands-on experience in full-stack development and AI/ML. Proficient in React, Node.js, TensorFlow, and AWS. Passionate about building scalable solutions and solving complex problems through clean, efficient code.

EDUCATION

Bachelor of Computer Science | VIT Vellore | 2022 – Expected Graduation: June 2026

CGPA: 9.01/10.0

SKILLS

Programming Languages: TypeScript, JavaScript, Python, C++, Java, SQL

Frontend Development: React.js, Next.js, React Native, Redux, Tailwind CSS, Bootstrap

Backend Development: Node.js, Express.js, GraphQL, REST APIs, MongoDB, PostgreSQL, AWS (S3, Lambda, EC2)

Machine Learning & AI: TensorFlow, PyTorch, Scikit-Learn, NLP (Hugging Face), Deep Learning

Tools & Platforms: Git, Github, Postman, Figma, Linux, VS Code

Additional Expertise: Microservices, Web Security, Data Structures & Algorithms, Performance Optimization

PROFESSIONAL EXPERIENCE

Frontend Developer Intern | Zype – Respo Financial Pvt Ltd

May 2025 – July 2025

- Contributed to building the UPI frontend using React Native, improving mobile responsiveness by 35% and reducing UI-related issues by 40%.
- Designed and implemented Ollama-based MCP (Model Context Protocol) applications, automating AI workflows and cutting manual intervention by 60%.
- Independently developed RAG (Retrieval-Augmented Generation) systems, enabling document queries with 90%+ contextual accuracy.
- Optimized data handling and app performance using Axios, AsyncStorage, and Expo, decreasing load time by 25% and improving user flow stability by 30%.

AI-ML Intern | Collab Junction

June 2024 – December 2024

- Developed ML models using Python, TensorFlow, and Scikit-learn, improving recommendation accuracy by 20% and increasing user engagement by 18%.
- Built custom scraping tools with BeautifulSoup and Scrapy, cutting data collection time by 50% and expanding dataset size by 3x.
- Created an NLP-based chatbot, reducing average customer response time by 30% and automating 70% of support queries.

Decision Science Intern | CASHe – Bhanix Finance Pvt Ltd

December 2023 – January 2024

- Utilized NumPy, Pandas, Seaborn, and Matplotlib for data analysis, increasing reporting efficiency by 45% during internal dashboards revamp.
- Applied statistical techniques to structured datasets, leading to 30% faster insight generation in exploratory data analysis tasks.
- Created visual reports highlighting trends and patterns, helping decision-makers reduce turnaround time by 25%.
- Strengthened analytical problem-solving through hands-on projects, completing 5+ real-world data workflows with 100% accuracy in validation.

PROJECTS

PixelTube – Video Sharing Platform

- Built a responsive video-sharing platform using React and Material-UI, enabling smooth playback, uploads, and content management.
- Designed an intuitive UI with reusable components, ensuring seamless user experience across devices.
- Integrated efficient data handling and streaming logic, improving performance and user engagement.

Loan Categorizer System

- Implemented a RAG-based solution that intelligently scraped and categorized customer emails using an LLM fine-tuned on loan-related data.
- Designed the pipeline to extract relevant context and classify requests (e.g., disbursement, foreclosure, top-up) with high accuracy.
- Streamlined support workflows by enabling automated tagging and prioritization, reducing manual triage efforts.

PUBLICATIONS

The Role of Machine Learning Algorithms in Stock Market Prediction: A Performance Analysis IEEE ICDCC 2024