Kumayl Lokhandwala
Software Engineer | Full Stack Development | AI/ML

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SUMMARY

Results-driven Computer Science student with hands-on experience in full-stack development and AI/ML, specializing in building scalable solutions and automating workflows with LLMs. Proficient in React, Node.js, and TensorFlow, with a proven track record of optimizing application performance and efficiency.

EDUCATION

Bachelor of Computer Science	VIT Vellore	2022 – Expected Graduation: June 2026	**CGPA: 9.01/10.0**
Senior Secondary – Science & Mathematics	Vidyanidhi Junior College of Science, Mumbai	2022	**Percentage: 70.33%**
Secondary	Lilavatibai Podar High School	2020	**Percentage: 97.40%**

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, AWS (S3, Lambda, EC2)
Machine Learning & AI: TensorFlow, PyTorch, Scikit-Learn, NLP (Hugging Face), Deep Learning, Ollama
Tools & Platforms: Git, Github, Postman, Figma, Linux, VS Code
Additional Expertise: Microservices, Web Security, Data Structures & Algorithms, Computer Networks, Operating Systems

PROFESSIONAL EXPERIENCE

Frontend Developer Intern | *Zype – Respo Financial Pvt. Ltd*   **May 2025 – July 2025**
- Build UPI frontend in React Native, boosting mobile responsiveness by 35% and cutting UI bugs by 40%;
- Developed Ollama-based MCP apps, automating AI workflows and reducing manual effort by 60%.
- Created RAG systems for document queries, achieving 90%+ contextual accuracy.
- Optimized app performance with Axios, AsyncStorage, and Expo, reducing load time by 25% and improving stability by 30%.

Decision Science Intern | *CASHe – Bhanix Finance Pvt. Ltd*   **December 2023 – January 2024**
- Analyzed datasets with Numpy, Pandas, and visualization tools, improving reporting efficiency by 45%.
- Applied statistical models to speed up insights by 30% in exploratory analysis.
- Delivered visual trend reports, reducing decision turnaround time by 25%.

PROJECTS

Horuseye – Automated Pentesting and Report Generation ↗
- Built a full-stack solution (Next.js, Flask, Prisma) with n8n to automate Nmap, OpenVAS, and metasploit workflows, cutting manual testing time by 60%.
- Implemented modular LLM integration (OpenAI, Ollama) to perform adaptive vulnerability analysis and generate customized security reports.
- Architected a cloud-native, scalable testing framework enabling on-demand, parallel pentests, cutting validation time by 50%.

Loan Categorizer System ↗
- Built RAG-based email classifier with fine-tuned LLM, achieving high-accuracy loan request categorization.
- Developed context-extraction pipeline to classify requests (disbursement, foreclosure, top-up) with 90%+ accuracy.
- Automated tagging and prioritization, cutting manual triage time by 40%.

Chirp –Social Media Microblogging Platform ↗
- Built a real-time MERN microblogging app with posts, likes, and comments updating in sub-seconds.
- Integrated JWT authentication and role management, ensuring 100% secure access control.
- Automated tagging and prioritization, cutting manual triage time by 40%.

PUBLICATIONS & ACHIEVEMENTS

- The Role of Machine Learning Algorithms in Stock Market Prediction: A Performance Analysis IEEE ICDCC 2024 ↗
- Developed ML models, scraping tools, and an NLP chatbot for Collab Junction (college pre-incubated startup), boosting engagement and automating 70% of support.
- Secured first place in the School Science Fest.