KHUSHI KATARIYA

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EXPERIENCE

Great Pods — Los Angeles, CA
Software Developer Intern — October 2024-Present
- *Technologies: NextJS, HTML, Typescript, Figma, JavaScript, GraphQL, MongoDB, Imagekit.io, Vercel*
- **Automate** podcast data ingestion via Podcast Index API, **cutting down** manual entry workload by 95% and **amplifying** database accuracy.
- **Implement** a role-based authentication system supporting 3+ access levels, **improving** platform security and scalability.
- **Revamp** podcast image caching with Vercel and ImageKit.io, **diminishing** load times by 40% and **enhancing** user retention.

Amazon – FinTech — Dallas, TX
Software Dev Engineer Intern — May 2024-August 2024
- *Technologies: Java, AWS DynamoDB, AWS CloudWatch, AWS Cloudformations*
- **Engineered** a robust end-to-end audit system, processing **over 1 million tax-related data entries** while ensuring compliance and integrity
- Optimized **NoSQL** schema for **DynamoDB** using Local and Global Secondary Indexes, decreasing back-end data access time by **75%**
- **Developed** a scalable end-to-end data storage solution, efficiently handling a **200%** increase in data volume, growing from **50,000 to 150,000** records while maintaining back-end performance

Cling Multi Solutions — India
Software Developer Intern — January 2023-June 2023
- *Technologies: ReactJS, HTML, Bootstrap, Tailwind CSS, AWS, Figma, NodeJS, JavaScript, RestAPIs, MognoDB, TypeScript*
- Leveraged **MERN** stack to develop and launch a feature-rich portal with an integrated mailing system, **automating invoice generation** and minimizing processing time by **60%**, while expanding overall operational efficiency by **35%**
- Architected a responsive admin/employee portal, increasing mobile engagement by **40%** and lowering support tickets by **25%**

EDUCATION

University of Southern California | Master of Science in Computer Science — Los Angeles, CA
GPA: 3.7/4.0 — August 2023-May 2025
Coursework: Algorithms, Machine Learning, Web & Mobile Development, Database Systems, Information Retrieval, Natural Language Processing

Pandit Deendayal Energy University | Bachelor of Technology - Computer Engineering — Gandhinagar, India
GPA: 9.7/10.0 — August 2019-May 2023
Coursework: Web Technologies, Artificial Intelligence, Machine Learning, Big Data, Data Structures, Design Pattern

ACADEMIC PROJECTS

CodeLens.ai — January 2025 – Feb 2025
- *Technologies: ReactJs, TypeScript, Node.js, FastAPI, Langchain, Firebase, GitHub API, AWS*
- Pioneered an AI-driven GitHub repo analysis platform, reducing manual code review time by **70%**.
- Constructed a **RAG-based AI chatbot** answering **100+ repository-related queries** daily
- Generated **final reports** highlighting security risks and inefficiencies, refining code quality by **40%**

Stock Search Application — Feb 2024 – March 2024
- *Technologies: ReactJS, Node.js, Bootstrap, MongoDB Atlas, Finnhub API, Polygon.io API, Highcharts, Google Cloud Platform*
- Built a full-stack stock search app processing **10,000+ real-time stock queries** via Finnhub & Polygon.io APIs
- Enabled **500+ users** to track and manage portfolios with MongoDB Atlas for persistent data storage
- Designed a responsive UI, raising user engagement by **30%** and optimizing app load time by **40%**

University Digital Repository System — August 2023 – January 2024
- *Technologies: HTML, CSS, Bootstrap, ReactJS, MySQl, Figma*
- Spearheaded an **open-source** E-library for university, hosting **5,000+ academic resources**
- Enhanced accessibility, decreasing resource retrieval time by **50%**, benefiting **2,000+ students and faculty**
- Created an intuitive, mobile-friendly UI, boosting platform adoption by **60%**

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScipt, C#
Data Science: Transformers, LLMs, TensorFlow, Keras, PyTorch, Regression, Analytics, Visualization, Huggingface, Langchain, FastAPI
Clouds & Databases: AWS S3, AWS DynamoDB, AWS EC2, AWS Cloudwatch, AWS Lambda, MongoDB, MySQL, PostgreSQL, GCP, Airtable
Web Tech: ReactJS, NextJS, Django, Bootstrap, Nodejs, Tailwind CSS, HTML, JSON, Streamlit, Heroku, Vercel
Tools: Figma, VS Code, Eclipse, Github, Git, IntelliJ, Jupyter, Tableau, Microsoft Office Suite