Vir Khanna

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SUMMARY

Accomplished Software Engineer with a proven ability in Machine Learning, Natural Language Processing, and efficient data management using Node.js and Python. Track record includes developing a sophisticated AI Chatbot at CK Birla Healthcare and a strategic price comparison tool at Zomato, both contributing to significant operational improvements. Renowned for enhancing cross-functional collaborations and driving project success. Eager to apply these skills to tackle complex problems and drive innovation in a forward-thinking environment.

EXPERIENCE

Machine Learning Engineer
CK Birla Group   **July 2023 - September 2023, Gurugram, Haryana, India**
· Orchestrated the design and deployment of an AI Chatbot using advanced Natural Language Processing (NLP) and Deep Learning models, significantly improving access to company information and reducing data retrieval time.
· Leveraged Reinforcement Learning for continuous AI Chatbot optimization, achieving a 30% increase in query handling efficiency.
· Championed Machine Learning Ops (MLOps) practices, seamlessly integrating and scaling AI models across the organization's tech stack.
· Conducted AI workshops and led a cross-functional team, fostering a culture of tech-savviness and knowledge sharing within the company.

Software Developer intern
Zomato   **July 2022 - August 2022**
· Developed an innovative price comparison tool that aggregates menu prices across major Indian food delivery platforms, enhancing Zomato's market competitiveness.
· Employed advanced web scraping techniques for large-scale data extraction, enhancing the tool's accuracy and reliability.
· Optimized tool performance with efficient data structures and algorithms, significantly improving data processing speed and accuracy.
· Seamlessly integrated this tool into Zomato's existing system architecture, increasing the strategic efficiency of the Menu and Catalog Team

Software Developer Intern
MakeMyTrip   **June 2019 - August 2019**
· Spearheaded the successful migration of user data to the 'My Orders' page's ACME tab, enhancing user experience and increasing customer data accessibility.
· Employed Node.js and Python, along with various libraries, to streamline data transfer processes, resulting in improved performance and operational efficiency.
· Crafted sophisticated data pipelines and APIs, fostering secure, accurate, and timely data flow between different components of the system.
· Collaborated with cross-functional teams, ensuring the seamless integration of the new data migration solution with existing MakeMyTrip systems, bolstering the company's overall operational workflow.

Founder and Developer
EdSync   **April 2020 - September 2021, New Delhi, Delhi, India**
· Started a free online peer tutoring service where high school seniors could teach middle school students on challenging topics before their exams.
· Built our website using WordPress, HTML, CSS and PHP to display content, perform user registration and authentication
· Integrated cloud-based scheduling system on Calendly to conduct virtual classes on Zoom and Google Meets.
· Tutored 100+ students in the first month of operations with a team of 20+ teachers.

Producer & Performer
Stand-up Comedy Club @ UCDavis (StUCC)   **January 2023 - Present, Davis, California, USA**
· I also do Stand-up Comedy!
· Watch my bits - youtube.com/@vir__khanna

EDUCATION

Computer Science
University of California · US, California, Davis · 2025 · 3.8

COURSEWORK

Algorithms

Data Structures

Operating Systems

Theory Of Computation

Discrete Mathematics

Object-Oriented Programming