Dhananjay Yatin Desai

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EDUCATION

Master's in Computer Science, California State University, Los Angeles, California   **Aug 2022 - May 2024**
Relevant Courses: Design and Analysis of Algorithms, Database Systems, Operating Systems, Advanced Topics in Artificial Intelligence, Topics in Data Science, Machine Learning, Software Engineering, Software Architecture, Web Programming.

Bachelor of Engineering in Information Technology, The University of Mumbai, India   **Aug 2018 - May 2022**
Relevant Courses: Internet Programming, Data Structures, and Analysis, Operating Systems, Wireless Networks, Internet of Things(IoT), Advanced Security Systems, Databases Systems and Applications, Cloud Services.

SKILLS

Programming Languages: Python, Java   **Development:** HTML, CSS, UI/UX, JavaScript, React, Next.js, Vue.js, Angular, TypeScript
Backend Development: Django, Node.js   **Database Management:** SQL(MySQL), NoSQL (MongoDB, Firebase)
API Development: RESTful APIs   **Blockchain:** Ethereum (Smart Contracts), Web3, MetaMask
Cloud Platforms & Tools: AWS, Docker, Git, GitHub   **Other Skills:** Project Management, Cross Functional, Team player

EXPERIENCE

Software Developer, California State University, Los-Angeles   **Jun 2023 - May 2024**
- Revamped university portal, increasing traffic by 20% and maintaining 99.5% uptime by resolving critical bugs such as login authentication issues, page loading errors, and broken links.
- Programmed Pepper Robot for event speeches using SDK, and created engaging presentations increasing student participation by 15%.
- Strengthened security for confidential university data through ongoing maintenance and security audits.
- Streamlined budget tracking with custom software, improving financial transparency for the university.

Software Engineer, MaxTech India   **Jul 2020 - Aug 2021**
- Developed and managed software applications, resulting in a 25% increase in conversion rates by incorporating client feedback.
- Designed and implemented backend services and APIs with Python and Django, optimizing data handling and integration, which improved system efficiency and reduced processing time by 20%.
- Executed comprehensive digital marketing strategies including SEO, social media, and PPC, increasing online restaurant orders by 30% and enhancing overall client revenue.
- Simplified software management processes, including domain management, hosting, and backups, improving client satisfaction through better communication and reliability.

PROJECTS

Realtime Chat WebApp   **Mar 2024 - May 2024**
- Developed a real-time chat application using Python, FastAPI, and ReactJS, enabling user authentication, group chats, message exchange, and attachment sharing, with Chat Engine integration for seamless chat functionality.
- Implemented secure user authentication and authorization, created intuitive user interfaces with ReactJS, and ensured fast and efficient API performance using FastAPI, resulting in a responsive and scalable chat platform.

Enhanced Automated Resume Screening System   **Sep 2023 - Nov 2023**
- Architected an AI-driven system, cutting screening time and boosting candidate shortlisting precision, improving hiring efficiency.
- Integrated NLP algorithms, enhancing skill matching accuracy by 25%, and optimizing candidate evaluation processes.
- Leveraged Docker for easy project management and seamless deployment, ensuring consistent and scalable performance.

Natural Language Processing with Disaster Tweets   **Apr 2023 - May 2023**
- Spearheaded the deployment of an NLP model with word embeddings and sentiment analysis, achieving 60% accuracy in classifying disaster tweets for faster crisis response.
- Led the charge in conducting thorough exploratory data analysis, fueling informed feature engineering decisions.
- Invented a cutting-edge deep learning architecture with hyperparameters, achieving a groundbreaking advance in disaster tweet classification metrics by enhancing model accuracy by 35%.

E-Voting using Blockchain Technology   **Jan 2021 - Mar 2022**
- Developed a blockchain-based e-voting system with robust voting identity verification and smart contract integration.
- Optimized e-voting platform user interface, reducing voting time by 40% to boost voter participation.
- Secured voting with consensus-based blockchain transactions through MetaMask Wallet using Test Ethereum Gas.

CERTIFICATION & VOLUNTEERING - **Certificates**

- AWS Cloud Practitioner, AWS Solution Architect & DeepLearning.AI Coursera Certificate
- Volunteered at an NGO as a software developer and consultant educating people and children about new technologies and software.
- Published two research papers in two international journals to depict findings as a part of a minor and a major project and filed copyright.