

Siddhant Shah

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in thesidshah

github thesidshah

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Education

Master in Computer Science , Specializing in AI, Northeastern University, MA	May 2023
Bachelor of Engineering in Computer Engineering , Pune University, IN	May 2020

Relevant Experience

Software Engineer Co-op SS&C Intralinks	Oct 2022 - Dec 2022 Waltham, MA
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- Improved website loading time by utilizing **code splitting techniques**, resulting in a significant 30% reduction in **JavaScript** bundle size and enhanced front-end performance
- Performed **unit testing** on 30+ components, uncovered and fixed 7 critical bugs on StoryBook
- Implemented industry-standard practices like Component Story Formats (CSF) and achieved **90% test pass rate** through CI/CD practices

Graduate Research Assistant Center for Translational Neuroimaging Lab CTNI, Northeastern University	May 2022 - July 2022 Boston, MA
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- Designed **data warehouse** on **AWS S3** & business intelligence platform using **Flask** that streamlined data collection, integration & reporting resulting in 25% reduction in **data processing** time
- Conducted **data preprocessing, cleaning**, and quality control of **neuroimaging data** from 20+ experiments using MRIQC and custom Python scripts, achieving data quality score of 90% or higher

Associate Software Engineer Globant	Dec 2020 - Aug 2021 Pune, IN
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- Evaluated leadership requirements of Fortune 100 company across 5 regions and developed unified **ServiceNow** platform, reducing redundant reports by approximately 73%
- Improved month-over-month report viewership by 20% through standardizing local instances to global standard and resolving discrepancies
- Leveraged ServiceNow API to transfer data to **Microsoft SQL Servers** and developed interactive reports with **Power BI**, saving over 500 man-hours on report creation and circulation

Software Engineer Freelance	May 2020 - Sep 2021 Pune, IN
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- Created an **interactive adaptive** website for Suyog Life Care using responsive design principles, resulting in 100% increase in viewership across all devices
- Implemented SEO best practices, including keyword research and optimization in **collaboration** with the marketing team, leading to a 20% increase in organic traffic
- Executed promotional campaigns for social media profiles and email marketing with sendgrid, boosting **customer acquisition** and retention by 30%

Machine Learning Engineer Visava Labs	Dec 2018 - Apr 2020 Pune, IN
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- Secured 80% of first-round **funding** by pitching a cutting-edge product at the intersection of Technology & Architecture to address accessibility issues at scale in R&D department
- Integrated expert-based system with **Android application** reducing delivery time to 20 seconds; completing the first prototype and creating new user base
- Leveraged Generative Adversarial Networks (Big GAN) to create over 1000 possible floor plans for each input constraint through the **ML Ops** pipeline on **Google Cloud**

Recent Projects

Recreating Conv Nets Python, OpenCV, Numpy, Pandas, Scipy	Link
Summarizing text using language models Gensim, NLTK, Scikit-learn	Link
Predicting Customer churn at a gym SARIMAX, ARIMA, LSTM	Link

Technical Skills

Programming Languages:	JavaScript, Python, Java, C++, R, SQL
Data Analysis Tools:	Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, Keras
Databases:	MySQL, MongoDB, Cassandra, Neo4j Graph
Web Development Frameworks:	HTML, CSS (Sassy), Node.js (Express), React (Redux), Backbone
AI and ML Frameworks:	PyTorch, SciPy, StatsModels, OpenCV
Other Tools and Technologies:	Docker, Kubernetes, ServiceNow, Spark, Hadoop, Salesforce