

Nikita Thakur

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EDUCATION

University of Illinois at Chicago (UIC) - Chicago, IL May 2023
Master of Science in Computer Science, Graduate Research Assistant – UIC Engineering Makerspace

Vivekanand Education Society's Institute of Technology (Mumbai University) - Mumbai, MH, IN May 2017
Bachelor of Engineering in Computer Engineering

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, Ruby, C++

Web Stack: React, Node.js, D3, three.js, RESTful APIs, MySQL, PostgreSQL, DynamoDB, AJAX, jQuery, Lambda, Jasmine

Tools: Git, SVN, Visual Studio Code, Postman, Jenkins, Docker, Splunk, npm, yarn, IBM Sterling B2B Integrator

WORK EXPERIENCE

Slalom Build – Chicago, IL, USA Jun 2022 – Aug 2022
Full Stack Software Engineering Intern

- Collaborated on building a **Responsive Web application** that controlled an IOT device for Slalom Employees to facilitate internal event management across 15 Build Centers.
- Implemented **RESTful API** endpoints for application services with **node.js** and **AWS**: API Gateway, Lambda, DynamoDB (NoSQL), CloudFormation, Cognito User Pools, and AWS IoT Core.
- Developed UI components and application features with **React**, **TypeScript**, and **Redux**.
- Authored unit tests, resolved app build failures, reviewed pull requests, and actively participated in sprint planning sessions and backlog refinement.

Accenture – Mumbai, MH, IN Oct 2017 – Jul 2021
Senior Software Engineer

- Created Maps using **java** based **IBM B2B Integrator Mapping Language** and Trading Partner Configurations using **FTP**, **SFTP**, **AS2** protocols, Adapter setups (**File System Adapter**, **Message Queues**), server level **Unix scripts** for file transfer and batch processing.
- Enhanced efficiency of manual client processes with **RPA** using **Automation Anywhere** tool, **Splunk** and **Python** scripting, resulting in 40% reduction in client efforts.
- Created 100+ complex workflows using **Business Process Modeling Language** (BPML) for business needs.
- Supported in 12+ Global System Upgrade and Maintenance activities as well as the System apps Cloud Migration to **Azure**.
- Accomplishments: Accenture Celebrates Excellence Award (2019 and 2020), Tech Star 2021

PROJECTS

Health Inequities in EPIC MyChart portal activation (Research capstone in collaboration w/ **UI Health**) Jan 2023 - May 2023

- Conducted research and visual data analysis to study differences in patient portal activation, created a custom and interactive visualization tool to aid further analysis in this field.
- Project: https://github.com/nikitasthakur/Chicago_PortalActivation_Study, Tools: **D3.js**, **JavaScript**, **Html**, **CSS**

Cardiovascular Disease Visualization (Team project under in collaboration w/ domain expert client) Aug 2022 - Dec 2022

- Created an Interactive dashboard with patient data from Columbian Hospitals that allows the users to explore the different trends in the blood works, risk factors and medical history of patients suffering from cardiovascular diseases.
- Project Demo: https://youtu.be/houEX_9WpvQ, Tools: **D3.js**, **JavaScript**, **Html**, **CSS**.

Baby Name Generator using LSTM Oct 2021 - Nov 2021

- Built an LSTM that generates multiple names starting with a given letter using **Python (PyTorch)**

Shape Classifier using CNN Nov 2021 - Dec 2021

- Built a CNN that recognizes 9 distinct shapes using **Python (PyTorch)**

Posture Mapping for Future Ailment Prediction Jul 2016 - Apr 2017

- Developed a novel system using **R** and **Shiny** to predict potential postural ailments, extrapolated on mapped data for the daily work routine of 500+ students and faculty.
- Used **Principal Component Analysis (PCA)** to identify the key variables to be considered for the study and identified and labeled major clusters using **K-Means** Clustering and guidance from a physiotherapy expert.