ABHINAV MISHRA

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Education

Master of Science, Data Analytics Engineering	GPA: 4.0 / 4.0
Northeastern University, Boston, MA	Expected August 2023

- Relevant Coursework: Distributed Systems, Data Mining, Machine Learning, Database Management

Bachelor of Technology, Computer Science Engineering

Amity University, Noida, India	May 2015

- Relevant Coursework: Data Structures, Algorithms, Object Oriented Programming, Design Patterns

Experience

Software Engineer Intern	June 2022 – December 2022

Snowflake, San Mateo CA, USA

- Led efforts on the App Foundation (Platforms) team powering Snowsight UI, and its backend layer for addressing security concerns related to database and warehouse primitives while maintaining high availability. Tech stack: Golang, Typescript, React.js.
- Implemented a new telemetry system across the UI and the backend APIS in Golang to give fine grained and granular understanding about Critical user journeys driving improved user adoption and user experience.

Web Developer M1	January 2019 - June 2021

TIMES INTERNET, Noida, India

- Architected and engineered a Progressive Web App solution for mobile and web for Times Internet serving users across 8 different languages, having a peak of 500,000 concurrent users, using React.js and Node.js.
- Achieved an increase ad revenue by 20% and decrease in page load time by 25%. PWA solution for mobile achieved 100/100 on all performance aspects and won a presentation spot at Google I/O.

Frontend Engineer	April 2018 - September 2018

BUDDY4STUDY, Noida, India

- Pivoted existing web application technological stack from jQuery/php to React.js, D3.js and Node.js improving performance on critical areas such as SEO and page load time by up to 15%.
- Improved page ranking of product web application, for keywords of "Education and Scholarship" related searches to be in top 10 results and built customer facing dashboards for student - scholarship analysis in D3.js.

Software Engineer	September 2015 - June 2017

TECTURA INFOTECH, Noida, India

- Generated reports in MS Dynamics AX and MSBI for clients, analyzing and consolidating sales, invoice and inventory related data from MSSQL database through visualizations and reports.

Technical Skills

- Languages and Frameworks: Golang, Python, JavaScript (ES6), Typescript, Java,R,C++ D3.js, ReactJS, Node.js, HTML, CSS, SQL, Pandas, Matplotlib, scikitlearn, NumPy, plotly, keras.
- Databases and Software Tools:Docker,Kubernetes,PostGRESQL, MySQL, Neo4J, MongoDB, GIT, SVN and JIRA.

Projects

- Data science and Visualization: K means and Heirarchical clustering utilizing Jaccard coefficient and Dunn Index to classify countries based on their global indicators, Conway's simulation of Life, Visualization of temperatures across Earth and Tic Tac toe using Minmax algorithm. (https://codepen.io/abhinavthinktank)
- Food recommendation System: Built a food recommender system using K means algorithm TF-IDF(NLP) and food compound analysis. Hosted on https://masala-box.herokuapp.com/ Built using golang, typescript and react.js