

KAJOL

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Actively looking for full-time positions as a Software Engineer/ Machine Learning Engineer/ Data Scientist.

Education

University at Buffalo (SUNY), M.S. in Computer Science

Aug 2022 – Dec 2023

Relevant Courses: Analysis of Algorithm, Machine learning, Data Intensive Computing, NLP

Indian Institute Of Information Technology Lucknow, India, B.Tech in IT

Aug 2015 – June 2019

Relevant Courses: Software Engineering, Database systems, Object Oriented Prog., Operating Systems

Technical Skills

Languages: Python, C, C++, HTML, CSS, JavaScript, SQL, JSON

Utilities: PostgreSQL, MongoDB, VS Code, Eclipse, Microsoft Power BI, Postman

Technologies/Frameworks: Node.js, Linux, Jenkins, Git, GitHub, React, Express, Loopback, Elasticsearch, Redis, TensorFlow, PyTorch, Regression models, AWS, Streamlit

Experience

Basis - Software Engineer

July 2020 – July 2022

- **Developed and executed tech strategy** aligned with company goals; **led a team of 7 cross-functional engineers** to streamline development, testing, and release pipelines based on the product roadmap.
- Collaborated with the product team and **spearheaded the implementation** of the company's flagship revenue-generating product - Basis Power Card; applied **Abstraction and Encapsulation** principles of OOPs for flexible server and client development, achieving **80% code reuse** during the pivot.
- **Handled server-side integration** of third-party tools such as AWS SES, Apple/ Google Sign In, Clevertap (analytics), WhatsApp (customer support), Payment Gateways, Vimeo (video playback), Cloudinary (CDN).
- **Led back-end implementation** and collaborated with frontend teams to deliver key product features for 100k+ users; developed health insurance calculator, where curated health insurance recommendations which led to **81.44% growth in revenue**.

Valuefy - Software Developer

July 2019 – June 2020

- **Automated** invoice generation for **wealth advisors** to enhance efficiency.
- Implemented **Elastic search** for **reporting and analytics** to enable data-driven decisions.
- Developed **data reconciliation** for **transactions** and **generic document uploads** for accurate financial records.
- Translated client requirements through active participation in **user requirements meetings**.
- Efficiently created and managed a **robust REST API**, encompassing setting crons, sequencing, financial calculations, and engine development.
- **Recognized with the Spotlight Award** and **promoted to full-time SDE** within 6 months of internship for exceptional performance.

Projects

Topic-Based Empathic Chat-bot (Link)

Feb 2023 – May 2023

- Developed advanced chat-bot system with natural, fluid conversations, leveraging NLU techniques and incorporating a re-ranking mechanism for human-like content retrieval.
- Integrated feedback analysis to adapt conversations based on user mood, ensuring personalized and seamless transitions.

Movie Recommendation System (Link)

Feb 2023 – May 2023

- Developed a comprehensive movie information system with SQL database, E/R diagram, relational schema, data loading, BCNF normalization, and optimized SQL queries, including a bonus task of a linked website for query visualization.

Severity Analysis of US-Accidents (Link)

Aug 2022 – Dec 2022

- Analyzed US accident data using Data Cleaning, Exploratory Data Analysis, and five data models (Logistic Regression, K Nearest Neighbors, Decision Tree, Random Forest Classifier, Artificial Neural Network).
- Achieved 0.92 accuracy by selecting the Neural Network based on feature importance.
- Created the React app and used Microsoft Power BI to visualize and display the analysis on the data set.

Extracurricular/ Awards

- World Rank 175, Google Code Jam to I/O for Women in 2020 .
- National Talent Search Examination Scholar 2010 (Was amongst Top 1000 Intelligent Students), India
- AIR 22, Women's Code-Sprint5,2018