

Shekhar Kumar

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EDUCATION

- **Virginia Tech** Virginia, USA
Master of Engineering in Computer Science; GPA: 3.90/4.00 *Aug. 2023 – Present*
Key Courses: Software Engineering, Machine Learning-I, Intro to Artificial Intelligence
- **Motilal Nehru National Institute Of Technology** Allahabad, India
Bachelor of Technology in Computer Science *July. 2016 – May. 2020*

EXPERIENCE

- **GEP Worldwide** Hyderabad, India
Senior Software Engineer *July 2022 - July 2023*
 - Led the implementation of front-end components that made us deliver Advanced shipping notice project faster without growing the team, as well as maintaining the product efficiently.
 - **Camunda** : Integrated a camunda workflow for async shipment process, improving performance by 35%.
 - Designed and developed an inventory management workflow solution for Advanced shipping notice web application using **.Net, Angular, and MongoDB**.
 - Used GitHub and **CI/CD tools** like **Azure DevOps** during the development and deployment of pipelines
 - **Elasticsearch**: Migrated database from SQL to Elasticsearch, optimizing search feature by 60% and reducing development time by 30%.
 - **Low-code no-code**: Restructured project from plugin architecture to low-code no-code architecture, used camunda to manipulate dat which reduced the development time by 25%.
- **GEP Worldwide** Hyderabad, India
Software Engineer *July 2020 - June 2022*
 - Developed a dashboard to present and manipulate forecast data with **ReactJs, NodeJs** and **SQL** which enhance product trend understanding and boost client productivity by 30%.
 - Built a **RESTful API** following the Microservices architecture, utilizing Elasticsearch and SQL. **SQL** is used for retrieving forecast data, while Elasticsearch is used to store the application configuration.
 - **Web applications**: Built and maintained complex web applications using Angular, leveraging its robust features and modular architecture to create scalable and efficient solutions.
 - **Plugin-based architecture**: Transformed the project architecture from a Modular structure to a more efficient Plugin-based architecture, leading to a 40% decrease in development time. The Plugin architecture emphasized the creation of reusable components across the entire project.

PROJECTS

- **Awarded 2nd Place at Hackathon**: Awarded 2nd Place in the Data Science Stream at HooHacks 2024, University of Virginia, for developing a Chrome extension with a 76% accuracy rate in identifying online fake news using BeautifulSoup and LSTM machine learning model. Used **Python** FastApi for back-end. ([Devpost](#))
- **Customer Churn Prediction**: Developed a Customer Churn Prediction model using ML algorithms like **Logistic Regression, Decision Tree Classifier, SVC, RandomForest Classifier, and K-Neighbors Classifier** to analyze and prevent customer attrition, contributing to proactive retention strategies. ([GitHub Repository](#))

SKILLS

- **Programming Languages**: JavaScript, Typescript, HTML, CSS, C++, C#, SQL, Java, ElasticSearch, MongoDB, Python
- **Tools & Frameworks**: Angular, .Net framework, ReactJS, Azure, Camunda, GIT, JIRA, Kibana, Web Development, Agile, Node.js, Front-End Development, Back-End Development, Figma

HONORS/AWARDS

- **Quarter 3 - 2021 & Quarter 2 - 2022**: Achiever and Change agents award from GEP Worldwide
- **Complex Scholarship**: Full scholarship by the Indian Embassy, Nepal for undergraduate program