Shekhar Kumar

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EDUCATION

- **Virginia Tech** — Virginia, USA
  Master of Engineering in Computer Science; GPA: 4.00/4.00 — *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; GPA: 7.62/10.00 — *July. 2016 – May. 2020*

SKILLS

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

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 x3 times 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%.
  - **Workflow** : Designed workflow and developed an inventory management solution for Advanced shipping notice web application using .Net, Angular, and Elasticsearch.
  - **Deployment**: 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, which reduced the development time by 25%.
  - **Collaboration**: Collaborated closely with cross-functional teams, including UX/UI designers, and product managers, to translate requirements into functional solutions.

- **GEP Worldwide** — Hyderabad, India
  Software Engineer — *July 2020 - June 2022*
  - **Forecast** : Developed a dashboard to present and manipulate forecast data, enhancing product trend understanding and boosting client productivity by 30%.
  - **Neo4j**: Implemented automation of reading Excel and ingesting data into neo4j, reducing manual work by 60%.
  - **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.
  - **API**: Built the API using elastic search and SQL, SQL to get the forecast data, and elastic search to store the application configuration.

PROJECTS

- **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.
- **Peer review web application**: Developed an application for reviewing and taking feedback on resumes and project ideas from industry experts. Code developed in MERN stack with features such as notifications, storing and retrieving files using MongoDB, JWT authentication.

HONORS/AWARDS

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