

# ASHISH KUMAR

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## EDUCATION

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**Master of Science: Computer Science**, University of Buffalo, The State University of New York, 2021-2023

**Bachelor of Engineering: Computer Science**, Nitte Meenakshi Institute of Technology, Bangalore, India, 2014-2018

## TECHNICAL-SKILLS

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**Programming Languages:** Java, React, JavaScript, Typescript, python, Solidity, Git.

**Frontend Frameworks:** React, Streamlit, Handlebars, vite, vitest, cypress, tailwindCSS.

**Backend Frameworks:** Web services, Spring, Hibernate, Spring-boot.

**Database Management:** Oracle 11g, DynamoDB, S3, RDS, Metabase.

## PROFESSIONAL-EXPERIENCE

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### Gallup Inc

Mar 2023-Present

#### Software Engineer

- Developed a REST API for storing clickstream data in DynamoDB, caching in Redis, and validating event data with a Java-based JSON schema.
- Implemented a GraphQL endpoint in Java for driving clickstream analytics dashboards.
- Implemented an infinite table using AG Grid, enabling the handling of over 100,000 rows and preventing screen rendering issues
- Identified and mitigated critical production bugs using Splunk, conducted root cause analysis, and implemented technical solutions. Developed Streamlit tools to proactively prevent and mitigate potential issues.
- Implemented vitest testing framework for react app for robust testing.
- Created python and typescript scripts to automate documenting 1000+ events saving 20+ work hours.

### Mindtree

Oct 2018 - Jul 2021

#### Senior Software Engineer

- Led a team of 4 developers for over **13 projects**. Contributed to all aspects of **software development life cycle (SDLC)** . in an agile development environment
- Mentored new team members via knowledge transfer sessions.
- Enhanced the security and resilience of the application by using new technologies. Coordinated with the project architect and presented it to the client.

#### Software Engineer

- Developed, Debugged code to fulfill complex client requirements using java spring, hibernate, SQL etc.
- Developed a mobile application to automate the onboarding process for new joiners in collaboration with Mindtree Innovation Hub. The application was presented in the annual innovation summit of mindtree.

## PERSONAL-PROJECTS

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### Crypto Gallery :

- Built an end to end decentralized art marketplace where artists have full authority over the art pieces.
- Blockchain does the work of trust intermediation so the buyers can be assured of authenticity.

### Diabetes Prediction:

- Developed a web application that analyzes medical parameters to predict diabetes risk.
- Implemented a React frontend and Flask backend, integrating a neural network model for prediction with 82% accuracy.