

# ANKIT OJHA

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## Education

### San Jose State University

Aug 2024 – May 2026

*Masters of Science, Software Engineering*

*San Jose, CA*

**Courses:** Data Mining, Machine Learning, Distributed Systems, Enterprise Software Platforms

### Galgotias College of Engineering & Technology

Jul 2017 – Jul 2021

*Bachelors of Technology, Information Technology, GPA: 3.35/4.0*

*Greater Noida, India*

**Courses:** Web Technologies, Data Structures and Algorithms, Database Management Systems, Computer Networks

## Experience

### Full Stack Software Developer

Nov 2022 – July 2024

*Accenture*

*Noida, India*

- Collaborated to develop an enterprise level Full-Stack Web application for the entire **700K+** employee base of Accenture by utilizing **React, Angular framework, HTML, CSS, Bootstrap, NodeJS, ExpressJS** and MySQL Database.
- Developed scalable web apps using Angular for frontend & Node.js for backend, optimized response times by 30%.
- Designed and integrated RESTful APIs with third-party services, improving user interactions and payment processing.
- Led migration of legacy systems to modern frameworks, reducing technical debt by 40% and improving maintainability.
- Implemented **CI/CD** pipelines using Jenkins and Docker, automating deployments and reducing release cycles by 50%.
- Collaborated on **microservices** architecture design, boosting modularity and scalability across multiple applications.
- Managed critical updates and database upgrades with minimal downtime, ensuring data integrity and availability.

### Associate Software Engineer

Aug 2021 – Nov 2022

*Accenture*

*Noida, India*

- Developed & deployed high-performance web applications using Angular, React & Node.js, improving user experience.
- Optimized database schemas in **MySQL** and **MongoDB**, resulting in a 30% improvement in query efficiency.
- Implemented robust unit and integration tests, boosting code coverage by 90% and reducing production bugs by 30%.
- Conducted thorough code reviews and mentored peers elevating team productivity and maintaining high code quality.
- Identified and resolved critical production issues, enhancing application stability and increasing user satisfaction.

## Tools & Technologies

- **Programming:** Java, C++, C, C#, Java Script, Python (TensorFlow, PyTorch, Selenium, Pandas, NumPy)
- **Web Technologies:** Angular, React, Spring Boot, JQuery, NodeJs, ExpressJs, HTML, Bootstrap, CSS
- **Databases:** MySQL, PostgreSQL, Snowflake
- **Big Data Technologies:** Hadoop, Apache Spark, Hive, AWS
- **Tools:** Docker, Containers, Kubernetes, Microservices, Kafka, Jenkins, Cloud, Bash, GIT, JIRA, Linux

## Key Projects

### CodeQuery: Inspired by Stack Overflow | React, Javascript, HTML, CSS, NodeJS, ExpressJS, MySQL

Feb 2024

- Developed CodeQuery, a full-stack web app inspired by Stack Overflow, with user functionalities for posting, voting, commenting, and marking answers using **React, Javascript, and Node.js**.
- Optimized MySQL schema for efficient post, comment, and vote management, ensuring fast performance and scalability
- Enhanced UI/UX with responsive design, implemented sorting/filtering features, and managed user authentication, deploying the app with Express.js and **RESTful APIs**.

### Credit Card Transaction Fraud Detection | Logistic Regression, Random Forest, LightGBM, Neural Network

Jan 2024

- Developed machine learning models to detect fraudulent credit card transactions, improving fraud detection accuracy.
- Created 1240 candidate variables to capture fraud, selected top 20 variables using KS filter & wrapper methods.
- Tuned hyperparameters for **ML models**, achieved 55.6% fraud detection rate, projected annual savings of **\$21M**.

### Unsupervised Machine Learning for Customer Segmentation | PCA, K-Means, Python

Mar 2023

- Applied unsupervised machine learning models, including PCA and K-Means, to analyze and segment customer data.
- Identified distinct customer segments based on transaction behavior, enabling effective targeted marketing campaigns.

### Expense Tracker App | Spring Boot, React, H2, JPA

Nov 2022

- Developed a full-stack application for tracking user expenses with Spring Boot for backend and React for frontend.
- Implemented CRUD operations, with H2 as the database and JPA (Hibernate) for database interactions.