

AYUSHI JHA

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EXPERIENCE

Software Engineer 2, Intuit Inc. *React.JS, Javascript, Typescript, REST, Java, Spring Boot* Feb 21 – Present

- Partnered with UX team, engineers and PMs to create self-serving product experiences allowing stakeholders to deploy marketing campaigns quickly (from 20 days to 5 days) without any need for requesting engineering support.
- Led proof of concepts into production for new features such as Search Dashboards, mvel (runtime expression language based on java) function editors in UI that translated into increased product adoption. Owned end-to-end design, development, testing, CI/CD and delivery for new features in our web-apps and services.
- Managed and monitored internal tools and portals for data pipelines, collaborating with multiple teams to ensure production was always running smoothly. Created dashboards on Splunk and Wavefront to reduce on-call and support requests.
- Drove focused projects to strengthen our web-apps and services into extensible and maintainable systems, adhering to cross-company developer standards and operational excellence metrics. Enforced standards on all our git repositories to make them innersource-compliant, allowing any new engineer to start contributing immediately from scratch.

Software Developer Intern, Intuit Inc. *Python, Hive, React, Spring Boot* May '20 – Aug '20

- Developed a Machine Learning Model (Random Forest Classifier) for calculating propensity scores (probability to clickthrough and opt-out of email campaigns) for customers and leads. Implemented the ETL for stream data using PySpark.
- Created a dashboard to visualize the success metrics of the model and comparison of predicted data against real-time data for presentation to marketers.
- Developed features for database interface tool for marketers to help them easily add new data and view relationships between existing data using simple UI. Created frontend in React and backend apis for connectivity with database using Spring Boot. Worked on design, development, testing, CI/CD and delivery for features in frontend and backend code for the tool.

Software Engineer, Intuit India *C, C++, C#* Aug '17 – May '19

- Eliminated customer pain by adding highly requested features and critical bug fixes in Quickbooks Desktop, the flagship product used by 2m+ users saving \$100k/quarter in customer support calls.
- Worked collaboratively with PMs, UX, Content and Field Customer Support teams for shipping new features quarterly. Developed, tested and rolled major enhancements to production.

Software Developer Intern, Intuit India *Javascript, Dojo, C#* Jun '16 – Jul '16

- Worked on features and bug fixes for critical payments section of Quickbooks Desktop. Upgraded legacy code for enhancing product stability.

EDUCATION

University of Southern California *MS Computer Science – GPA - 3.77* Jun '19 – Dec '20

Analysis of Algorithms, Natural Language Processing, Foundations of Artificial Intelligence, Information Retrieval & Search Engines, Web Technologies

Indira Gandhi Delhi Technical University for Women *B. Tech. CSE – CPI - 82.31%* Aug '13 – Jun '17

Data Structures, Analysis and Design of Algorithms, Operating Systems, Computer Architecture, Artificial Intelligence, Software Engineering, Database Management Systems

PROJECTS

Mentoring Classroom Mentor & Reviewer, Udacity - Mentored more than 100 students enrolled in several Nanodegrees, providing code review and constructive feedback on subjective assignments.

Data Science Worked on collaborative project "Gender Inclusion in Science" for USC GRIDS Data Science organization where we analyzed academic research data from American Physical Society to extract trends on the role of institutions in nurturing a growth environment for female researchers.

Search Engines Developed a basic search engine featuring autocomplete and spelling correction using Solr engine with Lucene and Page Rank algorithms in Java.

Web and Mobile Technologies Created a news reader app using Python Flask and Javascript. Similar app recreated in Node JS and React deployed on AWS, as well as native Android app.