

RONIT BHATIA

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EDUCATION

Master of Science in Computer & Information Sciences

University of Florida

GPA: 3.5

August 2023 – May 2025

Gainesville, FL

- **Relevant Coursework:** Applied Machine Learning, Analysis of Algorithms, Computer Networks, Mathematics for Intelligent Systems

Bachelor of Engineering in Information Technology

University of Mumbai

GPA: 3.2

August 2016 – October 2020

Mumbai, India

- **Relevant Coursework:** Data Structures & Analysis, Internet Programming, Database Management Systems, Operating Systems, IOT, Software Engineering, Data Mining and Business Intelligence, Big Data Analytics, Artificial Intelligence

SKILLS

React.js, React Native, Node.js, JavaScript, TypeScript, C#, ASP .NET, Python, HTML, CSS, SASS, SQL, MongoDB, PostgreSQL, Cypress, Jest, AWS, Webpack, Git, Agile, RabbitMQ, Redux, gRPC, GraphQL, REST APIs, Microservices, Docker, Kubernetes, Scikit Learn, TensorFlow, D3.js

EXPERIENCE

CarTrade Tech

Mumbai, India

Working as a full-stack developer in 3 unique teams for over 2.5 years, serviced 8 unique .NET-based microservices, and a React front-end, .NET server-based mono repo of 2 different applications using 10 shared packages.

Software Development Engineer II

October 2022 – July 2023

- Spearheaded a team of 5 creating the application-agnostic retail module, implemented agile methodologies using Jira, and improved team productivity by 20% through iterative development cycles.
- Optimized Page SEO through keyword targeting and linking, boosting page landings by 400% and conversion rate by 8%.
- Achieved 700% rise in leads & 500% increase in vehicle bookings by implementing potential lead WhatsApp flow using RabbitMQ.

CarTrade Tech, Software Development Engineer I

October 2021 – September 2022

- Revamped MySQL table schema and redefined Redis cache key structure, reducing database calls by 40% and eliminating timeouts.
- Improved development efficiency by 25% by creating a platform-independent WhatsApp module, enabling instant and delayed notification sharing with customers.
- Developed and managed the Lead Exchange Management microservice, capable of handling 100,000 leads daily.
- Achieved a 10% hike in leads generated by building a React-based car comparison tool <https://www.carwale.com/compare-cars>.

CarTrade Tech, Associate Software Development Engineer

November 2020 – September 2021

- Designed the finance page and microservice allowing users to check soft and hard loan eligibility, thereby boosting revenue by 25%.
- Planned & constructed a new EMI Calculator page for carwale.com, which supplemented finance page landings by 15%.
- Enhanced client side and microservice side unit test coverage, from 20% to 85%.
- Boosted developer productivity by 40% by effectively refactoring and documenting about 20,000 lines of code into smaller, more manageable React components.

CarTrade Tech, Software Development Intern

December 2019 – January 2020

- Created a Webpack Analyzer tool, identifying and resolving performance bottlenecks, reducing JavaScript bundle size by 30%.

IIFL Securities Ltd.

Mumbai, India

Software Development Intern

December 2018 – January 2019

- Achieved unification of API logins by building an SSO solution for APIs using Kerberos architecture, improving efficiency by 35%.

PROJECTS

Fitnet | React Native, Fastify.JS, Python, GraphQL, MongoDB, PostgreSQL, AWS, Jira

June 2022 -

- Spearheading the development of a large-scale fitness app, managing backend, frontend, and infrastructure single-handedly with a React Native front end, Fastify - NodeJS server, and Postgres database with Timescale DB hosted on AWS EC2.
- Designed and implemented key features including registering and login flows, user profile page with interactions, GPS-based workout tracking and saving, light and dark themes, and a GraphQL API using data loader for efficiency.
- Engineered image uploading and serving with AWS S3 and a Python image server for compression, replicated via Cloudflare CDN.
- Innovatively resolved challenges such as managing spam actions with a queue system and ensuring reliable workout uploads with a robust frontend upload manager.

Fire Detection System | Python, Raspberry Pi

February 2019 – April 2019

- Created a hierarchical IoT-based system which contained a network of sensors around the campus, connected with Raspberry Pis, themselves connected to a central, master Raspberry Pi. It alerted the administrator in case of abnormal temperatures.