

Himanshi Khatri

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EDUCATION

- **University of North Carolina at Charlotte** Charlotte, United States
Master of Science - Computer Science; GPA: 4.0 *August 2022 - May 2024*
Courses: Data Structures and Algorithms, Big Data Analytics, Database Systems, Software Engineering, Cloud Computing, Distributed Systems.
- **Amrita Vishwa Vidyapeetham** Bengaluru, India
Bachelor of Technology - Computer Science; GPA: 3.45 *July 2017 - August 2021*
Courses: Data Structures, Algorithm Analysis, Object Oriented Programming, Database Management, Software Engineering, Computer Networking, Operating Systems(OS), Machine Learning.

SKILLS SUMMARY

- **Languages:** Python, JavaScript, SQL, JAVA
- **Frameworks and Technology:** React, Redux, HTML, CSS, Bootstrap, JUnit, REST API, Node.js, Scrum, Jenkins, Jest, rSpec, Java Mobile, AWS, Docker, DOM, HTTP protocol, TypeScript, React Testing Library, Linux, Windows
- **Tools:** GitHub, BitBucket, Maven, PostMan, IntelliJ, Workbench
- **Soft Skills:** Problem-solving, Critical thinking, Adaptability, Time Management, Communication, Team Collaboration

EXPERIENCE

- **Oracle Cerner** Bengaluru, India
Software Engineer (Full-time) *July 2021 - July 2022*
 - Developed a web-based solution using **React, Docker, AWS, JavaScript, Microservices architecture, and Ruby on Rails**, enabling healthcare orgs to interact more with their population by **50%**.
 - Designed a portal that provides clinicians with an organized, summary view of a person's health, utilizing **RESTful APIs** to integrate front-end React components with back-end **Rails** controllers and **MySQL**.
 - Utilized **Redux** for state management in React applications and **ActiveRecord** for managing database transactions in Rails, resulting in a **25+%** increase in application performance.
 - Boosted smoke and regression testing efficiency by **70%** through the implementation of automation frameworks(**Jest, RSpec, Eggplant, Playwright**) within the CI/CD pipeline to swiftly identify critical issues, ensuring codebase stability and functionality.
- **Oracle Cerner** Bengaluru, India
Software Engineer Intern (Full-time, Internship) *Jan 2021 - July 2021*
 - Designed a fully functional **CRUD** application called "Feature Tracking" to assist the Women's Health team.
 - Utilized **React on Rails** framework to develop the application, enabling efficient tracking of open and closed **GitHub** repositories within Agile sprints and corresponding **JIRAs**.
 - Implemented rigorous **ES6 lint** checks to enforce coding standards and best practices, resulting in a **90%** reduction in code violations and improved code quality. Enforced a minimum unit test percentage coverage, ensuring code robustness and achieving a **75%** increase in overall test coverage.

PROJECTS

- **Movie Booking Application (Web Development):** Enhanced the software architecture and created the application end-to-end using JavaScript, HTML, and CSS. All data was managed and administered through **Firestore**, ensuring seamless integration with the backend.
- **Sensus Data Analysis (AWS, Database Systems):** Collaboratively implemented an end-to-end data analysis project utilizing the Sensus app, AWS tools, MySQL, and Python. Established an S3 cluster, collected and managed data, performed data aggregation, and generated comprehensive reports with insightful **visualizations**.
- **Blood Alcohol Percentage (BAC) Calculator App (Mobile Application Development):** Developed a mobile application for calculating and displaying accurate Blood Alcohol Percentage (BAC) based on user inputs. Utilized user-provided information such as weight, height, gender, and drinking timeframe to accurately estimate BAC levels.
- **Porter Delivery Time Estimation (Big Data Analytics, AWS, Machine Learning):** Analyzed the dataset and understood its structure, features, and potential use cases for Delivery Time Prediction, Order Volume Analysis, Customer Satisfaction Analysis, Delivery Performance Analysis, Vendor Performance Analysis, Geographic Analysis, Seasonal Analysis.

CERTIFICATIONS

- **AWS Academy Graduate - AWS Academy Data Analytics:** Graduated from AWS Academy Data Analytics program, proficient in AWS data analytics fundamentals, data warehousing (**Amazon Redshift**), data lake architecture (**S3, AWS Glue**), data visualization (**QuickSight**), analytics pipelines (**Lambda, AWS Glue, Athena**), machine learning integration (**SageMaker**), and data security. Applied skills to real-world projects for practical application.
- **Introduction to Statistics in Python(DataCamp):** Gaining essential knowledge and practical skills in statistical analysis, data visualization, hypothesis testing, and probability distributions using Python libraries such as **NumPy, Pandas, and Matplotlib**.