

# Ronakkumar Bhagchandani

☎ +1 (812)-778-5640 | ✉ ron.bhagchandani@gmail.com | 📧 @ronakkkk | 🔗 linkedin.com/in/ronak-bhagchandani/

## EDUCATION

### Indiana University Bloomington

*Master of Science in Computer Science GPA: 3.84*

Aug 2022 - May 2024

Bloomington, Indiana.

### Gujarat Technological University

*Bachelor of Engineering, Computer Engineering, GPA: 3.67*

Aug 2016 - Apr 2020

Gujarat, India

## WORK EXPERIENCE

### Bloom Insurance

May 2023 – Present

**Software Developer Intern** - SQL, Javascript, Jira, Raygun, MSSQL, GitHub, Git, .Net, C#, JQuery

- Re-engineered high-quality software solutions, and solved bugs using C#, Javascript, CSS, JQuery.
- Optimized the health care website, resulting in a 12% increase in the performance (Reduce Page Load Time).
- Utilized Figma for prototypes & web page design for Health Risk Assessment form.
- Collaborated with the data team to enhance database design and managed over 50k records using MSSQL.

### Indiana University - Kelley School Of Business

Dec 2022 – May 2023

**Research Assistant** - Python, Jupyter Book, Sphinx, Pandoc, Latex, Linux

- Built a pre-defined Tuft-LaTeX in Jupyter-Book using Python, resulting in improved project documentation and 25% increase in users satisfaction.

### Freelance

Mar 2021 – Jun 2022

**Python Developer** - Python, Django, Flask, NLP, Linux, Machine Learning, Data Analysis, Database, Docker

- Designed and integrated scalable web applications using Python, Django, Flask, MySQL, PostgreSQL, Oracle, MongoDB, Cassandra garnering a 95% client satisfaction rate.
- Developed advanced models with Random Forest, Adaboost, TensorFlow, CNN, DNN architectures, achieving 85% accuracy in diverse tasks such as computer vision, object detection, predictive modeling, and NLP.
- Leveraged machine learning for log aggregation, monitoring, prediction, and analytics across 5+ projects, empowering clients with valuable insights for informed decision-making.
- Provided clients with invaluable insights, transforming raw data into actionable intelligence for strategic and informed decision-making along with web applications.

### Contextly

Dec 2020 – May 2021

**Founder, Full Stack Developer** - Python, Entrepreneur, Django, Web Development, Quill3.js, JQuery, Latex

- Architected and built a SaaS web application (user-centric) aimed at simplifying the creation and editing of professional-quality documents without requiring knowledge of LaTeX from ideation to launch using agile methodology.
- Collaborated with 100+ Software Engineer to test my project (alpha test) and used by 700+ Computer Engineer student & 50+ professors at GTU to write LaTeX document.

### Tulsi Solutions Ltd., Canada

Mar 2019 – Aug 2019

**Full Stack Developer Intern** - Java, AngularJS, Spring Boot, PostgreSQL, Ionic, Cordova

- Using AngularJS for client side applications with spring boot framework, PostgreSQL database, and Gradle for efficient project build management, developed web applications during six months of internship.
- Successfully implemented ECO3 Website, a free and convenient tool for eco3 surveyors in the United Kingdom.

## PROJECTS

**TourMate** – Python, Django, Bootstrap, Jenkins, Web Development, SQLite, Render, REST API

- Developed a Tour Management System website using Python, Django with SQLite Database with API integrations, where users can easily search for travel destinations, plan and visualize their itineraries, and make bookings.
- The API Used are: Amadeus(Hotel Booking), Sandbox(Paypal Payment Gateway), Google API (Google Login), OpenAI API, Bit.io API (Online Database), Render (Deployment)

## PUBLICATIONS & ARTICLES

- Bhagchandani, R. (2023). Reducing Bias in Machine Learning Models with MinDiff Model. Medium.
- Bhagchandani, R., Panchal, J. & Shah, R. (2021). Smart Watch Ensuring Safety & Security. IRJET - YOLO.

## PROGRAMMING SKILLS

**Programming/Query Languages:** Python, C, C++, Objective-C, SQL, Java, C#

**Web Technologies:** Django, Spring-Boot, .Net, JavaScript, TypeScript, Node.JS, Vue.JS, Elastic Bean

**Tools:** Micro-services, API, AWS, Cloud Computing, Machine Learning, Azure, AI, Jira, NLP, Agile Methodology

**Dev Tools and Databases:** Docker, Tableau, MySQL, PostgreSQL, Distributed Systems, Linux, MongoDB, Oracle.

## LEADERSHIP - EXTRA CURRICULAR - ACHIEVEMENT

- I am among top 20% Leetcode all over the globe and 1263 rating in Codeforces.