Ronakkumar Bhagchandani

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EDUCATION

Indiana University Bloomington   Aug 2022 - May 2024
Master of Science in Computer Science **GPA: 3.84**   Bloomington, Indiana.

Gujarat Technological University   Aug 2016 - Apr 2020
Bachelor of Engineering, Computer Engineering, **GPA: 3.67**   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, solved bugs and collaborated with cross-functional teams 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 Tufte-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, 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.

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 and PostgreSQL database, build 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)

Contextly - Latex, Python, Django, PostgreSQL

- Architected and built a SaaS web application aimed at simplifying the creation and editing of professional-quality documents without requiring knowledge of LaTeX from ideation to launch in 5 months using agile methodology.
- Used by 700+ Students and 50+ Professors in Gujarat Technological University.

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++, SQL, Java, C#
Web Technologies: Django, Spring-Boot, .Net, JavaScript, TypeScript, Node.JS
Tools: Micro-services, API, AWS, Cloud Computing, Machine Learning, Azure, AI, Jira, Natural Language Processing
Dev Tools and Databases: Docker, Tableau, MySQL, PostgreSQL, Distributed Systems, Linux, MongoDB, Oracle.

LEADERSHIP - EXTRA CURRICULAR - ACHIEVEMENT

- I am among top 22% Leetcoder all over the globe and 1263 rating in Codeforces.