KRUTARTH GHUGE

Peterborough, ON, K9L1T1 (Willing to relocate) | krutarthghuge@gmail.com | (705) 977-8120 | LinkedIn | GitHub | Portfolio

SKILLS

Programming Languages: C#, Python, Java, C, R.
ML & AI Tools: NumPy, Pandas, scikit-learn, Jupyter, TensorFlow/PyTorch, data preprocessing, model evaluation.
Web Development: HTML5, CSS3, SASS, PHP, Node.js, React.
Database: SQL, Microsoft SQL Server, Microsoft SharePoint.
Other Technologies: Git/GitHub, Scrum & Agile Methodologies, Linux/Unix.
Certifications: Python Data Associate, Canadian Investment Funds Course, Generative AI for Developers (Google).
Soft Skills: Organized, problem-solving, versatile, team player, and adept.

WORK EXPERIENCE

Receiveco – A Fintech Startup   Peterborough, CAN
Product Developer   **Jun 2025 – Present**
- Built and launched a receipt tracking and storage platform with OCR, bank APIs, and POS integrations, delivering web and mobile apps for individuals and SMEs.
- Designed the business model and go-to-market strategy, securing fintech partnerships and enabling integrations with accounting tools like QuickBooks and Xero.
- Ensured regulatory compliance (PCI DSS, PIPEDA) through secure data handling and encryption, achieving adoption among early users to streamline expense management.

Trent University   Peterborough, CAN
Student Lab Demonstrator   **Jan 2025 – Apr 2025**
- Guided students in applying machine learning techniques, data preprocessing, and visualization during lab sessions.
- Evaluated lab work for analytical accuracy and proper use of statistical models in Data Mining courses.

Academic Assistant   **Sep 2024 – Apr 2025**
- Conducted workshops on algorithmic problem-solving, OOP concepts, and mathematical modeling.
- Assisted in grading, focusing on code efficiency, logical reasoning, and accuracy.

Student Marker   **Sep 2023 – Apr 2025**
- Assessed assignments on web development, mathematical computation, calculus, and algorithmic logic.
- Reviewed submissions for technical correctness, ethical standards, and documentation quality.

Atria University   Bengaluru, IND
Data Analyst Intern   **Jun 2024 – Jul 2024**
- Conducted exploratory and statistical analysis of satellite datasets from Google Earth Engine to examine environmental indicators like NDVI, air quality (CH_4, NO_2), water quality, and land cover, spanning multiple regions.
- Developed automated geospatial tools to process and visualize data trends, enabling a 50% improvement in efficiency for identifying climate impacts and resource management opportunities.
- Presented actionable insights on precipitation, temperature, and greenhouse gas concentrations, directly supporting policymaking and research on sustainable environmental practices.

Antardrishti Career Counselling Services and Psychometric Assessments   Mumbai, IND
Website Developer Intern   **Nov 2020 – Oct 2021**
- Designed and maintained a responsive, user-friendly website for Antardrishti, aligning with its career counseling goals and improving online engagement.
- Optimized website performance through SEO strategies, content updates, and bug fixes, increasing client inquiries and user satisfaction.

PROJECTS

ThinkLikeMe (Chess Learning and Development Site) – JavaScript, HTML5, CSS3, Web Hosting & Deployment
- Designed and developed a dynamic chess website that hands out chess puzzles and tests your expertise and fetches live news, that integrates live RSS feeds from Chess.com, enabling real-time updates with a clean and responsive UI.
- Implemented asynchronous data fetching and error handling for reliable content delivery across devices.

Sign Language Recognition using Neural Networks - C++ with OpenMP and MPI
- Developed a custom parallelized neural network in C++ to classify ASL digits using the Sign Language MNIST dataset. Optimized training with OpenMP for faster computation while maintaining high accuracy.

United States Medical Insurance Costs - Data Analysis, Python, MS Excel
- Performed data analysis on the medical insurance costs dataset of the United States available from Codecademy, performing processes of mining, visualisation, analysis, and evaluation on the available dataset, and obtained key findings.

EDUCATION

TRENT UNIVERSITY – Bachelor of Science Honours Computer Science, Specialization in Data Analytics, Minor in Economics   **Jan 2022 – Apr 2025**
- GPA: 3.7 – President's Honour Roll Awardee
- Dean's Honour Roll Awardee (2021-2022, 2023-2024).
- Relevant Coursework: Data Structures and Algorithms; Data Mining; Database Management Systems; Modelling and Simulation; Artificial Intelligence; High Performance Computing; Risk Management and Insurance; Financial Economics.

References available upon request