TOUSIF IZAZ

#16, 581 Pomona Ave, Chico, CA | (530)864-3738 | tousif_izaz@live.com | ⬤ Github

SUMMARY

Aspiring software engineer with hands-on experience in backend development and computer vision. Proven ability to build scalable systems and implement cutting-edge algorithms to solve real-world challenges.

SKILLS

Web: Node.js, Express.js, Jest, JavaScript, Django, Django-Rest-Framework
DevOps: Git, Github, Docker, Agile, Kubernetes, CI/CD
Data/ML: SQL, Pandas, NumPy, OpenCV, Computer Vision
Programming: C++, Python, Java

PROFESSIONAL EXPERIENCE

Beximco Pharmaceuticals Ltd   **Dhaka, Bangladesh**
Business Intelligence intern   *February 2022 - May 2022*
- Created and optimized financial analysis reports with python scripts that supported decision-making for senior management, reducing manual reporting time by 20%.
- Conducted comprehensive competitive analysis, collecting and analyzing financial data from 10+ companies, identifying key financial performance indicators for benchmarking.
- Developed and presented an in-depth report on the correlation between pharmaceutical firm sizes and cash conversion cycles, providing actionable insights that informed strategic planning for cash flow optimization.

PROJECTS AND OUTSIDE EXPERIENCE

Computer Vision Robotics Project – TurtleBot3 with ROS and OpenCV   **Chico, CA**
Solo Project developer   *August 2024 - Present*
- Implemented object detection algorithms using OpenCV and ROS (Robot Operating System), enabling the robot to recognize and track specific objects in cluttered environments, significantly enhancing its autonomous decision-making capabilities.
- Integrated SLAM with TurtleBot3, allowing the robot to build a dynamic map of its surroundings while navigating, with a mean error of less than 5 cm in position tracking during testing.

FriendMe   **Chico, CA**
Backend Developer   *January 2024 – May 2024*
- Built and integrated a scalable backend using Django Rest Framework, providing seamless interaction between the frontend and backend through a RESTful API.
- Designed and implemented a custom schedule builder program, allowing users to efficiently manage event schedules and find common availability between multiple entities, enhancing user engagement.

Covid-19 Donation Project   **Cumilla, Bangladesh**
Treasurer   *May – September 2020*
- Created an effective decision tree regression model using python scikit-learn based on primary donations which was used to determine donation amount for subsequent waves

Breaking Bistro   **Cumilla, Bangladesh** /
Founder/Operations and Marketing Manager   *November 2020 – July 2023*
- Led a team of 8 in optimizing operations and automating workflows, applying data-driven strategies to enhance efficiency by 25%, demonstrating strong leadership and collaboration in a fast-paced environment.

LICENSES AND CERTIFICATIONS

CodePath - Technical Interview Prep(TIP102)   May – August 2024
- Completed 10-week course on software engineering fundamentals.
- Covered data structures and algorithms: Hash Tables, Linked Lists, Graphs.
- Participated in weekly coding assessments and live sessions.

EDUCATION

Master of Science in Computer Science   Aug 2024 - Fall 2025(exp)
California State University, Chico
Relevant Coursework: Algorithms and computability, Operating Systems, Robotics and Machine Intelligence, Advanced Algorithms

Bachelors of Business Administration   January 2018- June 2022
Institute of Business Administration, University of Dhaka
Relevant Coursework: Advanced Statistics, Econometrics, Research Methods