

HIMANSHU KUMAR

+91-7091285291 | work.himanshu.kumaar@gmail.com | linkedin.com/in/himanshukumaaar/

EDUCATION

MAGADH UNIVERSITY

Bachelor of Science in Information Technology

Aurangabad, Bihar

Percentage: 80.5%

- **Relevant Coursework:** Introduction to Computing, Programming Fundamentals, The Object-Oriented Programming (Java), Data Structures, Database Management Systems, Algorithms, Software Design and Development, Discrete Mathematics, Computer Networks, Linux

SKILLS

- **Programming:** Python (Computer Vision, Deep Learning, Reinforcement Learning), JavaScript
- **Web Development:** ASP.NET, HTML5, CSS3, React.js
- **Databases:** MySQL, PostgreSQL
- **Methodologies:** SDLC, CI/CD, Software QA methodologies, tools, and processes
- **Frameworks:** .NET Core, Django
- **Tools:** Git, GitHub

INTERNSHIP

NEWARK INDIA

Aug 2023- Nov 2023

- Spearheaded 4-month internship at Newark India, a pioneering startup, contributing to the development of an Advanced Traffic Management System alongside a seasoned team.
- Implemented CI/CD pipelines using Git and GitHub Actions to automate the testing and deployment process, significantly reducing the time-to-market.
- Improved the performance of all ETL/SQL and online components to ensure strict service level agreements, timely response, and data reliability through performance analysis and bottleneck solutions, reducing processing time by 10%

PROJECTS

STEMS (GitHub Repository)

Feb2023–Jun2024

- Optimized traffic flow at intersections using Deep Reinforcement Learning.
- Implemented custom Double Deep Q Learning agent for improving cumulative wait time, average speed and queue length as compared to Traditional Traffic Lights (TTL).
- Software simulation using SUMO (Simulation of Urban Mobility) and interfacing using Python.
- Improved cumulative wait time by 20% (approx.).

ACHIVEMENTS

- Institution rank 10th at GeeksForGeeks
- 2ND runner up for College Treasure Hunt

PROFILES

- GitHub
- Hacker rank
- LeetCode

INTRESTS

- Exploring Web Technologies,
- Photography
- Riding Bikes