

Abhishek Kumar Giri

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SUMMARY

- **Aspiring Software Engineer:** Bringing over a year of professional experience in software development and system engineering, with a strong foundation in Machine Learning technologies.
- **Proficient in Programming Languages:** Skilled in C, C++, Python, and SQL, with hands-on experience in Snowflake and data-driven technologies.
- **Experience :** Enthusiastic about machine learning, with a keen interest in exploring and integrating AI-driven solutions. Competent in developing and maintaining applications using HTML, CSS, JavaScript, and React, with a focus on creating dynamic, user-centric web and mobile applications."
- **Collaborative Team Player:** Proven ability to work effectively in cross-functional teams, contributing to both individual and team-based projects, with a track record of adaptability and problem-solving.

SKILLS

Languages: C, C++, Python, Java, Snowflake, SQL

Packages: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch

Machine Learning: Supervised and unsupervised learning, Reinforcement Learning

Microsoft Tools: MS Word, MS Excel, MS PowerPoint

Visualization Tools: Tableau, Power BI

Cloud Tools: AWS, Azure

Tracking/Other Tools: Jira, GitHub

Operating Systems: Windows, Ubuntu

EXPERIENCE

Tata Consultancy Services — Assistant System Engineer

July 2022 – Sep 2023

1. Completed a comprehensive 5-month Snowflake training program.
2. Contributed to the Snowflake project for 2 months.
3. Collaborated effectively within a team environment.
4. Participated in project meetings and provided insights.
5. Demonstrated proficiency in Snowflake's features.
6. Adapted to evolving project requirements efficiently.

PROJECTS

1. Autonomous Driving using Reinforcement learning in Carla:

Technologies: Reinforcement learning, Python

- Developed an autonomous driving model using reinforcement learning, specifically implementing the Proximal Policy Optimization (PPO) algorithm for robust decision-making and stability in complex driving environments.
- Utilized the CARLA simulator to create and simulate realistic urban driving scenarios, enabling the model to train and adapt to diverse traffic conditions.
- Trained the PPO model within CARLA, achieving significant improvements in navigation accuracy, collision avoidance, and overall driving performance.
- Integrated the PPO model into a real-time testing framework within CARLA, demonstrating its effectiveness in handling real-world-like driving tasks.

2. Smart20+:

Technologies: HTML, CSS, JavaScript, ReactJS, React Native

- Provides interactive lessons and exercises tailored for students up to class 10, enhancing their learning experience.
- Available as a mobile application, allowing students to access educational content anytime, anywhere.
- Tracks student progress and adapts content to individual learning needs, promoting better understanding and retention.

INTERNSHIPS

1. SAARC MASTS Tech Private Limited — Software Intern

- Designed and developed advanced Android applications, delivering robust and scalable solutions for the platform.
- Identified and resolved bugs to enhance application performance, improving user experience and stability.
- Collaborated with cross-functional teams to define, design, and implement new features, ensuring alignment with business objective.

2. Codespeedy Private limited — HTML-CPP Programmer

- Comprehensive Coding Solutions Offers concise and detailed solutions for coding questions in C, C++, HTML, and CSS.
- Created informative blogs that explain entire coding programs, helping users understand concepts thoroughly.
- Designed to provide quick access to coding solutions and educational content for learners at all levels.

EDUCATION

Master of Technology in Information Technology

National Institute of Technology, Raipur

2023- 2025

Raipur, Chhattisgarh

Bachelor of Technology in Computer Science Engineering

Shri Shankaracharya Institute of Professional Management and Technology

2018- 2022

Raipur, Chhattisgarh

XIIth -C.B.S.E.

Krishna Public School

2017- 2018

Raipur, Chhattisgarh

Xth -C.B.S.E.

Krishna Public School

2015- 2016

Raipur, Chhattisgarh