

AMEY THAKUR

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PROFILE OF SKILLS

- **Research and Written Communication:** Demonstrated a strong research background through multiple publications in reputable journals and conveyed critical insights effectively in presentations during internships.
- **Attention to Detail and Multitasking:** Proven ability to meticulously test and debug software as a Software Developer Intern, while adeptly managing multiple project tasks concurrently.
- **Independent Work and Team Collaboration:** Exhibited a capacity for independent research with published papers, while also fostering productive teamwork in dynamic software development environments.
- **Exceptional Problem-Solving and Analytical Skills:** Led a project to optimize stock trading strategies, applying advanced data analysis techniques. Additionally, conducted insightful research on artificial neural networks, fuzzy logic, and GAN frameworks, showcasing strong analytical capabilities.

EDUCATION

Master of Engineering in Electrical and Computer Engineering January 2023 – Expected May 2024
University of Windsor, Windsor, ON, Canada

Bachelor of Engineering in Computer Engineering July 2018 – May 2022
University of Mumbai, Mumbai, MH, India

WORK EXPERIENCE

Software Developer Intern July 2022 - December 2022
HDFC ERGO General Insurance Company, Mumbai, India

- Led the development and implementation of software solutions within a dynamic team.
- Made significant contributions to web application development using Python, JavaScript, and ReactJS.
- Conducted comprehensive testing and debugging to ensure peak software performance.

Data Scientist August 2021 - September 2021
Technocolabs, Mumbai, India

- Spearheaded a project optimizing stock trading strategies through reinforcement learning.
- Applied advanced data analysis techniques and implemented algorithms to enhance trading strategies.
- Conducted in-depth research and presented critical findings to propel project progress.

Data Science and Business Analyst Intern July 2021 - August 2021
Diginique Techlabs, Mumbai, India

- Played a pivotal role in data analysis and visualization, extracting crucial business intelligence insights.
- Led extensive market research initiatives and significantly contributed to data-driven insights.
- Collaborated seamlessly to create impactful client reports and presentations.

VOLUNTEER EXPERIENCE

Volunteer | UWindsor Alumni Association, Windsor, ON March 2023 – May 2023

- Actively participated in the Windsor Riverfront Litter Cleanup initiative.
- Served as an Alumni Booth Volunteer, delivering degree frames during the Summer 2023 graduation ceremony.

Volunteer | RSS (Rashtriya Swayamsevak Sangh), Mumbai, India July 2018 – December 2020

- Managed the registration desk for Blood Donation Camps.
- Supported environmental awareness initiatives as a volunteer during Walkathons.

RESEARCH EXPERIENCE

Published Research Papers:

1. **"Fundamentals of Neural Networks"** (2021)
 - *International Journal for Research in Applied Science and Engineering Technology*
 - Explores the core principles of neural networks.
2. **"White-Box Cartoonization using an Extended GAN Framework"** (2021)
 - *arXiv preprint arXiv:2107.04551*
 - Investigated the use of an extended GAN framework for white-box cartoonization.
3. **"Car Rental System"** (2021)
 - *International Journal for Research in Applied Science and Engineering Technology*
 - Explores the development and implementation of a Car Rental System.
4. **"Chat Room Using HTML, PHP, CSS, JS, AJAX"** (2021)
 - *arXiv preprint arXiv:2106.14704*
 - Developed a Chat Room application using various web technologies.
5. **"Digital Bookstore"** (2021)
 - *International Journal for Research in Applied Science and Engineering Technology*
 - Explores the design and functionality of a Digital Bookstore.
6. **"Neuro-Fuzzy: Artificial Neural Networks & Fuzzy Logic"** (2021)
 - *International Journal of Research in Applied Science and Engineering*
 - Conducted research on the intersection of artificial neural networks and fuzzy logic.

Research Projects:

1. **"QuadTree Visualizer"** (2022)
 - Developed a QuadTree Visualizer as part of the final year engineering project.

REFERENCES AVAILABLE UPON REQUEST