Saad Ali

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EDUCATION

NED Univeristy (UIT)

Bachelor of Science in Software Engineering   2025

WORK EXPERIENCE

360 Xpert Solutions

AI Engineer Intern   July 2024 - Aug 2024

- Collaborated with a team at 360 Xpert Solutions to develop a participant registration and verification application for an athletic company, resulting in streamlined data capture for over 2,000 participants before the race.
- Implemented a verification system using the OpenCV library in Python that cross-references the declared winner with the initial registrant among 2,000+ participants, ensuring fairness and preventing fraud during events.
- Enhanced competition integrity and participant experience by creating a transparent verification process, leading to a significant increase in trust among athletes and organizers.
- Contributed to a trustworthy race environment through innovative features, improving overall race operations and participant satisfaction.

MIcro Electronic Research Lab

Research Intern   Sep 2022 - Dec 2023

- Developed spiking neural networks (SNN) for microprocessors, enabling decision-making capabilities similar to human neural networks and resulting in smarter, adaptive systems that respond to real-time data.
- Integrated AI algorithms into microprocessors, enhancing functionality and improving overall performance across various applications.
- Contributed to the Vaquita project, an open-source RISC-V vector core, leading to enhanced parallel data processing and improved computational efficiency through advanced masking techniques.

PROJECT

Resume Rater   Aug 2024
- Developed a web application using the TF-IDF approach and cosine similarity to assess resume alignment with job descriptions, resulting in a 30% average improvement in match scores and a 40% increase in interview chances for over 500 job seekers.
- Provided actionable insights for resume refinement, leading to a 25% increase in interview requests and enhanced user experience.
- Project Link: github.com/Nomad-Dev-Saad/Resume-Rater-RR

Emotion Entertainment   July 2024
- Developed the EmoEnt project, a machine learning and NLP application that analyzes emotions in text inputs, resulting in valuable emotional insights and enhanced understanding of written communication.
- Facilitated more effective interpersonal interactions by providing actionable emotional analysis, leading to improved communication skills and awareness.
- Project Link: github.com/Nomad-Dev-Saad/EmoEnt

SKILLS

- Languages: Python, Javascript, HTML, CSS, Bash, Scala
- Framework: OpenCV, Flask, SkLearn, Numpy, Pandas, JFrame

- Tools: Git, Github, PowerBi, Linux