Anam Khan

Ambitious. Confident. Passionate.

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CAREER OBJECTIVE

Seeking a challenging computer science role to apply technical skills, problem-solving, software development, and data analysis expertise. Eager to contribute to a dynamic organization's growth through emerging technologies while embracing continuous learning.

ACADEMIC BACKGROUND

Year(s)	Qualification - Degree	Board/University	Percentage/CGPA
2020-2024	B. Tech in Computer Science Engineering-Specialization in Artificial Intelligence and Machine Learning	University of Petroleum and Energy Studies	7.58/10 (*Till end of VIth semester)
2019-2020	XII	CBSE	81%
2017-2018	X	CBSE	83%

Subject Electives	Major - Artificial Intelligence and Machine Learning. Minor - Open Source and Open Standards.

WORK EXPERIENCE, INTERNSHIPS

Summer Internship | Algorithma **Jan 2023 - Apr 2023**
- Developed and tuned machine learning models for diverse projects, thereby aiding the company in their data-driven decision-making processes.
- Applied rigorous data pre-processing and cleaning methods, ensuring the accuracy and reliability of the training data, which is crucial for model performance.

Summer Internship | HERE Technologies **Jun 2023 - Jul 2023**
- Worked on the Automated Web Scraping and Spider Project, a critical initiative focused on the extraction of location data.
- Utilized advanced web scraping techniques and tools, successfully extracting vast amounts of accurate location data that greatly supplemented the company's geospatial database.

Summer Internship | Silwana Infotech **Apr 2023 - Oct 2023**
- Leveraged the capabilities of large language models (LLMs) for advanced natural language processing tasks, including text summarization and sentiment analysis.
- Primary focus was to understand, design, and implement state-of-the-art models that could significantly enhance the efficiency and accuracy of these tasks.

Commercial Website | HADEQAT AL NAJM **Mar 2023 - May 2023**
- Partnered with a Dubai-based company to create and enhance their online presence by designing intuitive, user-friendly website.
- Collaborated closely with the client to understand their vision, resulting in bespoke website designs that aligned with their business objectives and brand aesthetics.

Research Internship | Prof. Mohammad Ahsan (UPES) **Jan 2023 - May 2023**
- Research on Data Mining and Offensive Language Detection using Deep Learning.
- Developed a model that is able to identifying online harassment, abusive behaviour , cyberbullying and hate speech.

Summer Internship | Life Lab Interns **Jun 2022 - Jul 2022**
- Designed lesson plans for schools.
- Learned to create lesson plans and assignment for NGO to circulate to school students cost-free.

PROJECTS (Minor/Personal/Commercial)

Autonomous Car Simulation. **Jan 2023 - May 2023**
Hybrid Reinforcement Learning Project

- Developed an Autonomous Car Simulation using Unity Simulator, trained using Genetic algorithm and Deep Q Learning to achieve maximum accuracy.
- The car uses sensors for object detection, collision avoidance and traffic light detection to make it's way to final destination.

Duplicate Question Pairs. **Jul 2022 - Aug 2022**
Natural Language Processing and Text Analysis Project

- Developed a model that can identify whether a pair of questions in a given dataset are semantically similar or duplicates of each other.
- The model uses word embedding techniques and Siamese Neural Network that learns to measure similarity between input pairs.

Structuring an Unordered Text Document. **Jun 2022 -Sep 2022**
Natural Language Processing and Text Analysis Project

- Structured an unordered document by first identifying the underlying sections in the document and then forming clusters of sentences based on their relevance to the sections.
- Several versions of model were implemented using different keyword extraction algorithms, Google news word embedding, KEA, etc.

Tuberculosis Detection using Deep Learning. **Jun 2022 - Nov 2022**
Deep Learning Project

- Based on EDA and medical research, project focuses on developing a model from scratch.
- The model can be used for Tuberculosis Detection from the given chest X-ray scans.

Commercial Website for HADEEQAT AL NAJAM **Mar 2023 - May 2023**
Website Development Project

- Developed a responsive website for HADEEQAT AL NAJAM that is a marketplace company that operates in the services industry.
- The website is developed using HTML, CSS, JavaScript from scratch that showcases the company's services, portfolio and enable customers to book appointments and place enquiry in an engaging and user-friendly manner.

TECHNICAL SKILLS

Programming Languages	C, C++, Python, Java, R, HTML, CSS, Javascript, SQL
Skills	Exploratory Data Analysis, Web Scrapping, Artificial Intelligence and Machine Learning, Natural Language Processing, Object-Oriented Programming, Relational Databases, Data Structures and Algorithms, Operating Systems, Modelling and Simulation, Discrete Mathematics, Open Source and Open Standards Development
Tools	Pandas, Git, Docker, Jira

ACHIEVEMENTS

- Research Publication in International Journal
  Ahsan, M., Khan, A., Khan, K. R., Sinha, B. B., & Sharma, A. (2023). Advancements in medical diagnosis and treatment through machine learning: A review. Expert Systems, e13499. https://doi.org/10.1111/exsy.13499
- Selected for PwC Launchpad Program 2023 and completed the course modules and earned badges for IT Fundamentals, Programming Fundamentals - Python, RDBMS and Data Engineering.
- Letter on Appreciation from HADEEQAT AL NAJAM for website development
- Attended FLUTTER WORKSHOP organised by the OpenSource community and created games and NETFLIX clone using flutter.
- Appreciation for exceptionally good learning and performance in Gitings_A workshop.
- Participated and won prizes in 30 days of OPEN SUMMER OF CODE conducted by OPEN community UPES.