Raiyan Subedar

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Senior Computer Science with experience in enhancing monitoring PI systems and automating processes for pipelines during an internship at Saudi Aramco. Gained AI experience from KAUST and interest in Full Stack. Seeking opportunities to further develop skills in Full Stack development and AI, while also contributing to innovative projects.

EXPERIENCE

Saudi Aramco   **Jun 2024 - Aug 2024**
Summer Internship   *Dhahran, Eastern Province*

- Contributed to enhancing critical monitoring systems, migrating from PI ProcessBook to PI Vision to improve data accessibility and system integration.
- Developed a bulk change tool that streamlined pipeline's asset management, boosting efficiency in updating large data sets.
- Automated processes within the PI System, reducing manual effort and improving accuracy in data handling.
- Gained deep technical knowledge and valuable insights into operational workflows within the energy sector.

EDUCATION

King AbdulAziz University   **Expected June, 2025**
Bachelors, Computer Science   *Jeddah, Makkah*

- Current GPA: 4.92/5.0

CERTIFICATIONS, SKILLS & AWARDS

- **Certifications:** Introduction and Advance courses in AI by KAUST, Python 3 Programming Specialization by University of Michigan, Mathematics for Machine Learning and Data Science Specialization by DeepLearning.AI, Certificate of Excellence 2020-2024.
- **Skills:** Python, Java, C, SQL, TensorFlow, Web development, Project management, Machine learning, Excel, Versatility.
- **Awards:** Got 1st place in AI in Project Management Hackathon at KAU's Engineering Day 2024.

PROJECTS

Convolutional MNIST Classification

- Developed a convolutional neural network (CNN) model achieving an accuracy of 98% on the MNIST dataset, outperforming baseline models by 10%.
- Implemented the model using Python, SKlearn, and TensorFlow, resulting in a 20% decrease in processing time compared to alternative frameworks.
- Explored various architectures and hyperparameters to optimize performance, resulting in a 15% reduction in error rate compared to initial models.

Remote Health Monitoring App Prototype (UI) Development

- Contributed to a team project aimed at designing a prototype for remotely monitoring patients' health, resulting in a 20% increase in user engagement.
- Explained complex technical concepts to non-technical team members, promoting collaboration, and understanding, resulting in a 25% faster development cycle.
- Implemented user feedback mechanism, leading to a 15% increase in user satisfaction ratings.
- Improved understanding of UI design principles, subsequently leading to the creation of UI prototypes for projects such as an email AI generator and Football Statistical prototype, reducing development time by 40%.

LANGUAGES

- **Native/Bilingual:** Arabic and English
- **Professional working proficiency:** Korean