

AMAL MOHAMED M

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PROFILE SUMMARY

Passionate Data Scientist and B.Tech graduate, currently a Data Science Intern. Skilled in Python, machine learning, data visualization, and fine-tuning deep learning models like BERT and RCNN. Experienced in data collection, analysis, and reporting using standard operating procedures. Strong problem-solving abilities with expertise in automation, process adherence, and delivering accurate, quality results for real-world challenges.

EDUCATION

B.Tech in Computer Science & Engineering	2021 - 2025
APJ Abdul Kalam Technological University	Kerala
● CGPA: 7.39	
Higher Secondary, Computer Science	2019 - 2021
Bharathamatha Higher Secondary School	Palakkad
● Percentage : 98	

INTERNSHIP AND CERTIFICATION

Data Scientist Intern ,Techolas Technologies	April 2025 - Present
● Develop Python applications leveraging TensorFlow, PyTorch, and Scikit-learn for deep learning workflows. ● Performed data preprocessing, cleaning, and transformation using SQL, Pandas, and NumPy to fit AI/ML models. ● Train, fine-tune, and evaluate machine learning models (BERT) for CVSS vulnerability prediction and risk assessment. ● Conduct AI model testing, created visualizations, and prepared detailed reports using MS Office tools for stakeholders. ● Tech Stack : Python, MySql, PyCharm, Excel, M S Office , Postman.	

PROJECT

CVSS PREDICTION: BERT CLASSIFIER FOR EVALUATING CVSS	11 / 2024 - 04 / 2025
● Built and deployed a BERT-based CVSS prediction model using Python, TensorFlow, and PyTorch for automated vulnerability scoring. ● Fine-tuned and optimized machine learning models (BERT, Scikit-learn) using Pandas and NumPy to enhance prediction accuracy and scalability. ● Fine-tuned and evaluated machine learning models (BERT, Scikit-learn) to enhance prediction accuracy and scalability. ● Technologies : Python, BERT, Scikit- learn, PyTorch, Pandas, NumPy.	

SKILLS

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- Python Development.
 - Machine Learning & Deep Learning.
 - TensorFlow, PyTorch, Scikit-learn.
 - Data Preprocessing & Cleaning.
 - **Tools & Technologies** :PowerBI, Tableau, PyCharm, Git, GitHub, Postman.
 - **Soft skills** : Rapport Building, Stakeholder Management, Communication.
 - Model Training & Fine-Tuning.
 - Data Visualization.
 - Java, MySQL.