Mikhthad T T

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Summary

Python Full-Stack Developer and Data Scientist with strong expertise in Django, React, and end-to-end application development. Skilled in building scalable backend systems, REST APIs, and dynamic front-end interfaces, with hands-on experience deploying full-stack applications. Proficient in Machine Learning and Deep Learning using Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras), with additional strengths in SQL and Power BI.

Skills

- Python
- Machine Learning
- Deep Learning
- SQL
- PowerBI
- Django
- React

Experience

Python Full-Stack Developer—Knovista Technologies (Oct - Nov 2025)

- Developed and maintained full-stack web applications using Django for backend and React.js for frontend.
- Built secure and scalable REST APIs in Django to support data flow between frontend and backend.
- Integrated authentication, authorization, and role-based access for application security.
- Designed and managed Django models, serializers, and views for structured data handling.
- Worked with REST API tools like Postman for testing and validating backend endpoints

Projects

Malaria Detection (CNN + VGG16)

- Developed a CNN model (VGG16 pretrained) for binary classification of parasitized vs. uninfected cells.
- Achieved 94% test accuracy, applying data augmentation, normalization, and dropout for robustness.
- Evaluated performance with precision, recall, and confusion matrix.
- Deployed as a Streamlit web app for real-time malaria detection.

Full-Stack CRUD Application (Django + React)

- Built a complete CRUD (Create, Read, Update, Delete) web application using Django REST Framework for backend and React.js for frontend
- Developed secure and scalable REST APIs to handle data operations and user actions efficiently.
- Used Axios for API communication, enabling smooth frontend–backend integration.
- Tested all endpoints using Postman, ensuring error-free and optimized API operations.

Education

Bachelor of Commerce (B.Com) – Calicut University (2021 – 2025)

- Studied Cost & Management Accounting, Business Ethics, and Corporate Governance.
- Developed strong analytical foundation in financial data interpretation and performance evaluation.

Professional Course – Data Science (Codeme Hub International) (May 2024 – May 2025)

- Gained expertise in Python, SQL, ML/DL, Power BI, Excel, and Statistics.
- Built real-time projects covering data preprocessing, modeling, and deployment.
- Applied CNNs, LLMs, and Streamlit apps for practical AI solutions.