ALEX VARGHESE

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Education

Bachelor of Technology in Computer Science Engineering	2022 - 2026
Govt. Model Engineering College, Kochi	9.3

Class XII - CBSE	2022
Naipunnya Public School	97.6%

Class X - CBSE	2020
Naipunnya Public School	98%

Skills & Interests

Programming Languages: Python, C++, C, Java, JavaScript, PHP
Databases: MySQL, MongoDB, PostgreSQL
Libraries & Frameworks: NumPy, Pandas, Matplotlib, Flask, FastAPI, React
Interests: Machine Learning, Data Analysis, System Design

Experience

Training Cell Coordinator
Govt. Model Engineering College, Kochi
January 2024 - Present
- Lead placement readiness initiatives for 600+ students, organizing technical assessments, professional workshops, and industry interviews to improve career outcomes.

Projects

Streamify
Software Engineer | Technologies Used: React, JavaScript, Node.js, Tailwind CSS, MongoDB, Stream Chat API
- Built a real-time video chat platform integrating Stream Chat API with MongoDB for seamless user interactions.
- Developed a scalable backend data management system and successfully deployed applications on Render.
- Created a responsive React frontend with Tailwind CSS to enhance user experience and interface design.

Spectrum
Full-Stack Developer | Technologies Used: Python, FastAPI, spaCy, Firebase, React, Tailwind CSS
- Used spaCy for Natural Language Processing to parse resumes and extract key information and evaluate overall resume characteristics.
- Computed compatibility scores by matching extracted data against job descriptions.
- Delivered match percentages, targeted recommendations and clear insights to help users optimise and strengthen their resumes.

Synapse
Machine Learning Engineer | Technologies Used: Python, Flask, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- Engineered a stroke risk prediction model using Logistic Regression on an imbalanced healthcare dataset, achieving 85% accuracy and 0.82 AUC-ROC.
- Performed EDA to identify key risk factors, applied SMOTE to handle class imbalance, and evaluated multiple classification algorithms for optimal performance.
- Developed Flask web interface for real-time risk evaluation and user interaction.

Certifications

- Python AI and ML - Srishti Innovative
- Data Analysis using Microsoft Excel - Coursera
- Python for Data Science - NPTEL

Achievements & Activities

- Participated in MAGIC 2.0 2023 overnight hackathon organized by IEEE MEC SB.
- Attended Technopreneur 2023 entrepreneurial summit hosted by IEDC MEC.
- Engaged in TEDx MEC 2024 and FinNext 2023 finance summit at Govt. Model Engineering College.