Ajay Abishak K B

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EDUCATION

Vellore Institute of Technology, Chennai   2023 - Present
Bachelor of Technology in Computer Science and Engineering

Relevant Courses: Computer Architecture; Theory of Computation; Programming Languages; Operating Systems; Data Structures and Algorithms; Design and Analysis of Algorithms; Computer Networks.

KRM Public School, Sembium, Chennai   2022 – 2023
Higher Secondary (Grade 12) – 86.14%

TECHNICAL SKILLS

Software/Tools: Postman API, Docker, Kubernetes, Jenkins CI/CD, MongoDB
Programming Languages: Python, Java, C/C++, Full Stack (HTML, CSS, ReactJS)

PROJECTS

Predictive Analytics for Customer Churn Prediction

- Developed a predictive model for customer churn using Python and machine learning techniques. Implemented multiple algorithms, optimized hyperparameters, and improved feature engineering for accuracy. Deployed the best model to generate actionable insights, aiding in customer retention strategies.

Fashion MNIST Image Classification using TensorFlow

- Developed a CNN model to classify fashion items into 10 categories using the Fashion MNIST dataset. Trained on 60,000 images and tested on 10,000 images of size 28x28 pixels. Improved classification accuracy based on user data.

Web Scraping and Data Extraction using Selenium Core

- Designed Python-based web scrapers using BeautifulSoup and Selenium to automate data extraction from multiple websites. Processed and cleaned data into structured formats while ensuring legal compliance. Utilized extracted datasets to train machine learning models for analysis.

EXPERIENCE

- **Data Science Member**   2024 – Present
  Institute of Electrical and Electronics Engineers, Robotics and Automation Society, VIT Chennai

- **Technical Team Member**   2024 – Present
  Association for Computer Machinery, Student Chapter, VIT Chennai

- **Content Team Member**   2024 - Present
  Centre for Social Entrepreneurship and Development, VIT Chennai

CERTIFICATIONS

- Microsoft Azure Fundamentals: Describe cloud concepts
  2024

- Microsoft Azure AI Fundamentals: Natural Language Processing
  2024

- Postman API Fundamentals
  2024