AJITH G

Data Scientist

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OBJECTIVE

Passionate third-year B.Tech student specializing in Artificial Intelligence and Data Science with strong foundations in machine learning, Deep learning, full-stack development, and mobile application development. Seeking opportunities to apply technical expertise in real-world projects while contributing to innovative solutions. Demonstrated ability in building scalable web applications using MERN stack, developing cross-platform mobile apps with Flutter, and implementing machine learning models. Eager to leverage problem-solving skills and technical knowledge in a dynamic environment that values creativity and innovation.

EDUCATION

Bachelor of Technology in Artificial Intelligence and Data Science　　　　2023 - Present
Velammal Engineering College, Chennai, Tamil Nadu

- Strong academic track record with active involvement in hackathons and coding competitions
- Member of AI Club contributing to collaborative projects and research initiatives
- Hands-on experience in machine learning, data analytics, and full-stack development

SKILLS

Frontend	HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind CSS, Bootstrap, Framer Motion
Backend	Node.js, Express.js, Python, Django, Flask, REST API
Mobile Dev	Flutter, Dart, React Native
Databases	MongoDB, MySQL, PostgreSQL, Firebase, MS Server, Oracle
ML/AI	Python, Pandas, NumPy, Scikit-learn, TensorFlow, OpenCV, NLP, Computer Vision, Pytorch
DevOps	Git, GitHub, Docker, AWS, Vercel, Netlify, Postman
Languages	Python, JavaScript/TypeScript, C/C++, Java, Dart
Tools	VS Code, Jupyter Notebook, Google Colab, Linux, Chrome DevTools
Soft Skills	Leadership, Communication, Problem Solving, Quick Learner, Creative Thinking, Strategic Planning, Team Collaboration

INTERNSHIP EXPERIENCE

Frontend Developer　　　　January 2025 - Present
Velammal Engineering College　　　　*Chennai, Tamil Nadu*

- Contributing to the development of college's official website using MERN stack
- Building responsive and user-friendly interfaces with React and Tailwind CSS
- Collaborating with backend developers to integrate APIs and ensure seamless functionality
- Technologies: React, JavaScript, MongoDB, Express, Node.js, Tailwind CSS, AWS

Data Science Virtual Internship　　　　01/08/2024 - 31/08/2024
CodSoft　　　　*Chennai, Tamil Nadu*

- Successfully completed a 4-week virtual internship program in Data Science.
- Gained hands-on experience in data analysis, visualization, and applying data-driven solutions.
- Worked on real-time projects, showcasing skills and contributing to meaningful tasks.
- Developed problem-solving and analytical skills while working under virtual mentorship.
- Technologies and Tools: Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook.

PROJECTS

Velammal Engineering College - Official College Website
Web Development

- Designed and developed the official college website with a modern, responsive UI/UX.
- Implemented RESTful APIs for seamless data communication and dynamic content updates.
- Optimized website performance, ensuring fast load times and cross-browser compatibility.
- Ensured website security by implementing authentication, authorization, and data validation mechanisms.
- Collaborated with faculty and students to gather requirements and incorporate feedback into the final design.
- Deployed the website successfully as a live project, making it the official online presence of the college.
- Technologies: React, Node, MongoDB, AWS - EC2, S3 - Stroage Bucket
- Website: velammal.edu.in

ChatApp - Real-time Messaging Platform
Mobile App Development

- Built cross-platform chat application using Flutter and Firebase
- Implemented real-time messaging with Firebase Firestore and Authentication
- Enabled email-based user authentication for secure communication
- Technologies: Dart, Flutter, Firebase Firestore, Firebase Authentication
- GitHub: github.com/Ajith-ajay/Chat-App

Personal Chatbot - AI Assistant
Artificial Intelligence

- Developed local AI chatbot using LLaMA 3 model powered by Ollama
- Created privacy-focused offline chatbot with Streamlit interface
- Implemented using Langchain for advanced conversational capabilities
- Technologies: Python, Ollama, Langchain, Streamlit
- GitHub: github.com/Ajith-ajay/Personal-Chatbot

Voice Assistant - AI Assistant
Artificial Intelligence

- A simple Python-based voice assistant using Google voice engine and BeautifulSoup
- A simple voice assistant on a small scale using Python
- Project has developed using the google voice engine it was an open source available in the python pip module
- Technologies: Python, pyttsx3, supi5, BeautifulSoup
- GitHub: github.com/Ajith-ajay/voice-assistant

Library Management System
Web Development

- Developed full-stack web application for managing book inventory and student registrations
- Implemented CRUD operations with MongoDB for data persistence
- Built RESTful APIs using Express.js and Node.js
- Technologies: MongoDB, Node.js, Express, React
- GitHub: github.com/Ajith-ajay/book-list-mongoDB

Gold Rate Prediction
Machine Learning

- Built ML model to forecast gold prices using historical data and market trends
- Implemented and compared Linear Regression, Random Forest, and XGBoost algorithms
- Achieved high prediction accuracy for investment decision support
- Technologies: Python, Scikit-learn, Pandas, Matplotlib

· GitHub: github.com/Ajith-ajay/gold-rate-predictor

Securoo - Password Manager
Mobile App Development

· Developed secure password manager with local and cloud storage options
· Implemented automatic password generation and secure credential storage
· Built using Flutter with Hive for local data persistence
· Technologies: Dart, Flutter, Hive
· GitHub: github.com/Ajith-ajay/password-manager

Movie App - Movie Discovery Application
Mobile App Development

· A simple yet fully functional React Native movie app
· Fetches and Displays the latest movies using The Movie Database (TMDB) API
· Users can explore trending, upcoming, and top-rated films with clean UI and smooth navigation
· Developed a custom algorithm to analyze user interests and recommend movies tailored to each individual
· Technologies: ReactNative, Appwrite, TMBD
· GitHub: github.com/Ajith-ajay/movie-app

Personal Portfolio
Web Development

· Developed a fully responsive and dynamic Personal Portfolio showcasing skills, experience, education, and projects.
· Implemented real-time data fetching from Firebase, allowing automatic updates to experience, skills, education, and project sections.
· Designed an intuitive admin dashboard enabling non-technical users to manage portfolio content without modifying the code.
· Ensured cross-browser compatibility and mobile responsiveness using modern web standards and best practices.
· Integrated interactive UI components and smooth animations to enhance user engagement.
· Optimized the application for fast load times and efficient performance using MERN stack and TypeScript.
· Technologies: MERN Stack (MongoDB, Express, React, Node.js), Firebase, TypeScript, Material-UI/Styled Components
· GitHub: github.com/Ajith-ajay/Personal-Portfolio
· Website: https://myprotfoliostu.web.app/

CERTIFICATIONS

- Python For Data Science - Cogtis Technologies Pvt Ltd.	2024
- Full Stack Development - NoviTech R&D Private Ltd.	2024
- Internship Completion in Data Science - Codesoft	2024
- Java - Cogtis Technologies Pvt Ltd.	2024
- C/C++ - Cogtis Technologies Pvt Ltd.	2024

ADDITIONAL PROJECTS

Mobile Applications: Taskify (Todo App), Movie App (TMDB API Integration)
Machine Learning: Iris Flower Classification, Titanic Survival Prediction
AI Projects: Voice Assistant (Python-based)
Web Development: Authentication Systems (MongoDB & MySQL), Login/Signup Pages
Python Applications: Web Scraping Tool, Image to Text (OCR using Tesseract)

ACHIEVEMENTS & ACTIVITIES

Active member of AI Club at Velammal Engineering College

Participated in multiple hackathons and coding competitions

Completed 14+ major projects spanning Web, Mobile, ML, and AI domains

Active contributor on GitHub with multiple open-source projects

Competitive programming profiles on HackerRank and LeetCode

Developed full-stack applications deployed on cloud platforms

Strong portfolio demonstrating expertise in MERN stack and Flutter

PROFESSIONAL LINKS

Portfolio	https://myprotfoliostu.web.app/
GitHub	https://github.com/Ajith-ajay
LinkedIn	https://linkedin.com/in/ajith-g-923b25274/
HackerRank	https://hackerrank.com/profile/ajithajay1029
LeetCode	https://leetcode.com/u/Ajith_ajay/