Ananjay Pampalli

Kannur | +919283394405 | ananajy2@gmail.com

PROFESSIONAL SUMMARY

Highly motivated and results-driven Computer Science student proficient in Python programming, data structures, and algorithmic problem-solving. Seeking a challenging Software Development or Data Analysis Internship to apply technical skills in a professional environment and contribute to innovative projects. Strong foundation in object-oriented programming, web frameworks (Django/Flask), and database management.

Skills

• Python (Advanced)

• Data Structures Algorithms

• Django

• Flask

• SQL/NoSQL Databases (PostgreSQL, MongoDB)

• Data Analysis (Pandas, NumPy)

• Git/GitHub

• REST APIs

• Object-Oriented Programming (OOP)

• Linux/Shell Scripting

Experience

Student Research Assistant (Volunteer) — University of Technology, Kannur (Jan 2023 – Present)
Kannur

- Aided PhD candidate in developing robust Python scripts to preprocess large meteorological datasets for subsequent machine learning model input.

- Collaborated using Git version control system to manage script development, ensuring code integrity and effective teamwork across shared repositories.

- Implemented optimized data handling routines using Pandas, resulting in a 15% reduction in data processing time for weekly analysis cycles.

- Developed comprehensive documentation for all scripts and methodologies used, facilitating knowledge transfer and future scalability.

PROJECTS

Market Data Scraper and Analysis Tool — (Tech: Python, BeautifulSoup, Requests, Pandas, SQLite)
Developed an automated web scraping application to extract real-time pricing and inventory data from multiple e-commerce sites, handling dynamic content loading.
Impact: Structured extracted data and stored it in an SQLite database. Implemented automated scheduling (Cron job) to run the scraper daily, providing standardized data utilized for comparative market trend analysis and pricing strategy recommendations.

Collaborative Task Manager (Web Application) — (Tech: Flask, Jinja2, PostgreSQL, HTML/CSS)
Built a full-stack web application designed for small team collaboration, featuring user authentication, task assignment, and progress tracking.
Impact: Utilized PostgreSQL for persistent storage and implemented RESTful API endpoints for seamless front-end/back-end interaction, demonstrating proficiency in scalable web development practices.

Education

Bachelor of Technology in Computer Science and Engineering, University College of Engineering, Kannur (2025 (Expected))
8.8/10.0 GPA (Current)