Nithin Deepa

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LinkedIn   Portfolio   GitHub

Junior **Computer Science & Information Technology student** skilled in **Python, SQL, Java, and Data Analytics** with experience in **software development and data-driven projects**. Built a **Python Quiz Application** with real-time analytics, a **Flask Expense Tracker** with secure CRUD operations, and a **Data Analytics Dashboard** for sales insights. Worked as a **Computer Science & Math Tutor**, strengthening problem-solving and communication skills. Seeking **Software Development or Data Analytics internships** to apply technical expertise and project experience in real-world settings.

EDUCATION DETAILS

- **Bachelor of Science in Computer Science & Information Technology , 2023 – 2027 (Expected)**
  Murray State University, Murray, Kentucky

Coursework: Data Structures, Algorithms, Software Development Lifecycle, Java, Artificial Intelligence (AI), Machine Learning, Data Science, Mathematics.

CORE COMPETENCIES

Software Development Lifecycle (SDLC) | Requirement Analysis | Data Analysis | Data scientist | Machine Learning Model Development (Basic) | Algorithm Design | Database Management & Querying (SQL) | Cloud Deployment & Integration | Testing, Debugging & Troubleshooting | Documentation & Presentation

IT SKILLS

Languages : Python, Java, C++, C, JavaScript, SQL
Concepts: Machine Learning, Data Visualization (Matplotlib, Seaborn), Data Structures & Algorithms, Predictive Analytics(basic) , Artificial Intelligence Concepts
Frameworks & Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch
Cloud & Systems: AWS, Azure, Google Cloud Platform (GCP), Linux/Unix (Command Line)

ACHIEVEMENTS.

- **Leadership Excellence:** Served as President of the Indian Student Association at Murray State University, leading a 4-member team to organize cultural & technical events, **boosting participation by 30%.**
- **Professional Growth:** Provided one-on-one tutoring in **Computer Science and Mathematics** through Superprof, helping students improve academic performance and problem-solving skills.
- **Academic Merit:** Maintained a strong **3.42/4.0 GPA in undergraduate studies** and a **perfect 4.0 GPA in high school**.

ACADEMIC PROJECT

Python Quiz Application (Tkinter + JSON) – Team Lead

- Led a team of 4 to design and build a GUI-based quiz app with automated scoring and secure input handling.
- Integrated real-time feedback and results analytics using **Matplotlib** and **Seaborn**, improving user engagement.
- Applied **OOP principles**, **Agile development**, and **modular code design**, ensuring maintainability and scalability.

Expense Tracker (Flask + SQLite).

- Built a full-stack web application for logging and managing personal expenses with secure **CRUD operations**.
- Implemented **CSV export functionality** for reporting, enabling users to track financial data efficiently.
- Strengthened backend development by applying **Flask, SQLite, and RESTful design principles**.

Data Analytics Dashboard (Python + Pandas)

- Designed a data analysis and visualization system to explore sales data, generating actionable insights.
- Utilized **Pandas, NumPy, and Matplotlib** to clean, aggregate, and present trends through interactive charts.
- Delivered a lightweight dashboard simulating **business intelligence use cases**.

Additional Projects

- **Java Library Management System** – Console-based system applying OOP principles for book/member tracking.
- **SQL Labs** – Designed schemas and executed joins, aggregations, and reporting queries using **AdventureWorksDW**.

WORK EXPERIENCE

Computer Science & Mathematics Tutor – Superprof (Online Platform)   **2024– Present**

- Delivered **personalized tutoring sessions** in Computer Science and Mathematics, helping students strengthen understanding of **Python, Java, SQL, and problem-solving techniques**.
- Adapted teaching strategies to **different learning styles**, improving clarity and student engagement in technical subjects.
- Guided students through **real-world coding examples and projects**, reinforcing concepts in software development and data analytics.

Provided **progress tracking and feedback**, enabling students to improve academic performance and technical proficiency.

LEADERSHIP EXPERIENCE

President - Indian Students Association (ISA) | Murray State University | Murray, KY   **2024 - Present**

- Leading and organizing multiple campus events, award programs, and convocations, showcasing strong **project management, data analysis, teamwork, and problem-solving skills**.
- Applying **analytical thinking** and **attention to detail** to plan and execute initiatives that engaged large groups.
- Utilising **data-driven decision-making**, exploring insights from attendee engagement and feedback to optimize event planning.

CERTIFICATIONS

- **Python Programming – GP intuition , 2023**
- **C Programming – GP intuition, 2023**

SOFT SKILLS

Strong Analysis Skills | Problem Solving | Excellent Communication | Interpersonal Skills | Detail-oriented | Pro-activeness | Time Management | Public Speaking | Team Player | Fast Learner | Adaptability | Continuous Learning

EXTRACURRICULAR ACTIVITIES

- Volunteered at computer science events, Career fairs and conferences organized by CSIS and other academic groups, supporting event coordination and student engagement.