MANOJ MOTAPALUKULA

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CAREER OBJECTIVE

As an Associate Software Engineer at Virtusa, I aim to deepen my expertise in software development, contribute to impactful projects, and grow into a dependable and results-driven software professional.

EDUCATION

Institute of Aeronautical Engineering - [IARE]   Hyderabad, India
B.Tech in Computer Science and Engineering, CGPA: 8.63/10   *Nov 2020 - May 2024*

Trinity Junior College   Karimnagar, India
Class XII, Percentage: 97%   *Jun 2018 - Mar 2020*

Good Shepherd EM High School   Mancherial, India
Class X, CGPA: 9.7/10   *Jun 2017 - Mar 2018*

TECHNICAL SKILLS

Primary Skills: Python, SQL, Flask, HTML, CSS, JavaScript.
Secondary Skills: SDLC, RESTFul APIs, Django, AWS, GenAI, Bootstrap, Java, Git and GitHub.

EXPERIENCE

Intern-Delivery   Apr 2024 - July 2024
Virtusa Consulting Services   *Remote*
- Gained hands-on experience in developing end-to-end web applications using Python, Flask, HTML, CSS, JavaScript, and Bootstrap.
- Learned and implemented RESTful APIs, authentication systems, and CRUD operations in real-world project scenarios.
- Worked with MySQL for backend data storage and integrated frontend with backend for seamless user experience.
- Actively engaged in team collaboration and code reviews as part of the SDLC process, contributing to improved code quality and continuous learning.

PROJECTS

VirtualBank – Digital Banking System
- Built a full-stack digital banking app with features like account management, fund transfers, deposits, and loans.
- Secured the system with OTP, authentication, session handling, and password reset.
- Added modules for card management, transaction filtering with CSV export, RD/FD handling, and nominee management.
- Technologies Used: Python, Flask, HTML, CSS, Bootstrap, JavaScript, SQLite, MYSQL

AI/ML models to predict fraud Health Insurance claims
- Developed a web application using HTML, CSS, Bootstrap, and JavaScript, demonstrating skills in front-end development and responsive design.
- Built a machine learning model to detect health insurance fraud, achieving high accuracy and significantly reducing false positives, leading to cost savings and improved efficiency in claim processing.
- Tech Stack used HTML, CSS, Bootstrap, JavaScript, Python, Flask, and Machine Learning.

CERTIFICATIONS

- **Certified Associate Python Programmer – PCAP**
- **Certified Entry Level Python Programmer – PCEP**
- **Python for Everybody - University of Michigan – Coursera**
- **Web App Development using Python and Flask – Coursera**
- **Database Programming with SQL – Oracle academy**
- **Front-end Technologies – EPAM Systems**
- **Java Course - Mastering the fundamentals - SCALER**

ACHIEVEMENTS

- Among the top 5 rankers in the Computer Science and Engineering Department at IARE.

- Secured Runner-Up position in the Virtusa Jatayu Season 03 National level Ideathon, outperforming 5000+ teams from 108+ colleges across India.