

APARNA GOPI



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EXECUTIVE SUMMARY

Results-oriented Python Developer with 6+ years of experience in designing, developing, and implementing enterprise-grade solutions. Specializes in automating IT processes, creating interactive dashboards, and delivering scalable, cloud-based applications. Expertise in PowerBI, Power Automate, and Python frameworks to streamline workflows, optimize performance, and provide actionable insights.

TECHNICAL SKILLS

- Languages: Python
- Frameworks: Django, Flask, Sanic
- Data Visualization: PowerBI, Power Automate
- Cloud Technologies: GCP, AWS, Azure
- Databases: PostgreSQL, MongoDB, Elasticsearch, BigQuery
- Tools: RabbitMQ, Redis, Celery
- Automation: Power Automate, Workflow Optimization
- Other: Gunicorn, Supervisor

PROFESSIONAL SKILLS

Project Analyst | Accenture, India Jul '24- Present

Created and maintained project documentation and status reports, ensuring alignment with organizational goals. Built dynamic dashboards in Power BI to track project KPIs and provide actionable insights to stakeholders.

Streamlined workflows and reduced manual effort through IT task automation using Power Automate.

Integrated Power Apps with other Microsoft services like **SharePoint, Dynamics 365, and Power BI**. Automated business processes using Power Automate (formerly Microsoft Flow). Utilized connectors to integrate third-party services with Power Apps.

Assisted in the creation of a **PowerBI** dashboard for the Research team, to analyze institutional trends and enable data-driven insights into academic performance and participation.

Data Engineer Senior Analyst | Accenture, India Jul '21- Jun '23

Implemented efficient data manipulation and analysis using **NumPy** and **Pandas**, alongside proactive data quality checks and monitoring systems. Employed best practices for data governance, metadata management, and documentation to improve reliability and usability.

Utilized **ELK stack** for comprehensive data visualization, creating insightful visualizations with **Kibana** to illustrate data flow. Configured Metricbeat and Heartbeat for infrastructure monitoring, experienced in **PowerBI, DAX**, and data visualization. Worked with **MSSQL** and **Oracle databases**.

Collaborated with cross-functional teams to ensure seamless integration of **PowerApps** solutions with existing systems. Conducted training sessions for end-users, enhancing their ability to leverage new tools effectively. Helped automate data integration processes, reducing manual data entry errors.

Designed and developed custom Power Apps solutions to meet business requirements. Created model-driven and canvas apps using Power Apps platform. Implemented responsive design principles to ensure compatibility across devices.

Automation Engineer | AppviewX, India Feb '20- Jul '21

Validate input data to ensure it meets the expected format and standards before being used in automation scripts.

Executed automation projects involving **F5, AVI devices, and SSL certifications**. Integrated with ticketing tools such as CASDM, Jira, and RemedyNow.

Automated F5 devices for **Virtual IPs, Wide IPs, pool members, SSL profiles, and Certificate lifecycle management**. Implemented AVI device automation for Virtual services, pools, and pool members.

Develop automated tests to validate the correctness of network automation scripts and their impact on data quality.

Junior Data Engineer | CrowdAnalytix, India May '17-Dec '19

Managed end-to-end Linux server operations, including installation, configuration, tuning, backup, recovery, upgrades, and patching. Proficient in system and network security, troubleshooting, and job scheduling using CRON. Oversaw user rights, storage limits, and network storage availability.

Developed an E-commerce classification tool with **Django, SQL, and Elasticsearch**, following MVC architecture. Created web applications, utilizing **OpenCV, NumPy, and Pillow for image operations**. Developed Python RESTful Web Service APIs and designed dashboard control panels using **Django and PostgreSQL**.

Integrated various models, including Regex, Text, and Image ML models, using Sanic and Tensorflow serving for parallel processing and ML/DL model deployment. Utilized Parsel for real-time scraping and ELK system/Django administration for Internet/Intranet applications.

Established workflows with GIT/SSH for multi-programmer development, configured network protocols like nginx and Varnish cache servers. Worked with centralized databases such as **MySQL and PostgreSQL**. Designed test plans, cases, and performed validations using PYCharm as the Python IDE.

Data Engineer Intern | CrowdAnalytix, India Nov '16 –Feb '17

Implemented ELK Stack integration into an existing appliance framework for real-time log aggregation, analysis, and querying (Elasticsearch, Logstash, Kibana). Utilized **RabbitMQ** Work queues for parallel log transfer from Elasticsearch to logstash.

Developed Intranet apps in Java with Maven Architecture, utilizing Spring and Hibernate ORM (MVC Framework). Implemented advanced and **fuzzy searches using Elasticsearch for an E-Commerce tool**. Implemented paging and export functionality in web apps.

Conducted beta support and complex release testing for assigned projects, resolving software problems. Created user controls and custom controls for application-wide use. Utilized Jira for updating and maintaining production issue status. Implemented **Shell scripting** for automation tasks and conducted load testing on **JMeter** using XML files.

EDUCATION

- **Bachelor's Degree** in Engineering (Electronics and Electrical), Sri Krishna Insitutions, India.