CHAITANYA KHAIRNAR

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Summary

- Dedicated developer with 2 years of Python programming, 1 year experience in data analysis using Excel and 2.5 years of experience in Java Development
- Valuable experience of working with start-ups, offering me great opportunities to learn and develop new business strategies and implement data science techniques for latest problems.
- Dual master's in computer application and Big Data Management & Analytics
- Strong knowledge of relational databases like PostgreSQL and NoSQL databases.
- Understanding of agile methodologies of project management and tools like JIRA and Confluence.
- Always research and implement attitude.

Experience

Python Developer | November 2022 - Current
Firetail International Limited – Carlow (Remote)

- Developed API's (Swagger) for connecting internal and external services in Flask framework while considering security issues.
- Performed unit/validation tests on the API endpoints and Python modules using the mock library and pytest framework. The test helped the team identify security bugs and increase code coverage as per compliance.
- Implemented Salus tool in GitHub actions for finding code vulnerabilities using Bandit, and Semgrep scanners using Dockers before merging the pull request.
- Build a script for tagging the security issues to help identify the type of API security threat and take positive actions in time.
- Build integrations to external services.

Business Analyst and Developer | October 2021 – November 2022
Sarjam Limited – Carlow

- Analyze the trends in Asian FMCG Market using online and offline sources that will assist stakeholders to order fast moving niche items. The analysis helped the start-up to order appropriate products and generate initial sales in midst of competitors.
- Generate Excel sales reports by fetching data from ePos till API (REST) that help to maintain stocks and give opportunity to generate sales on bulk products.
- Perform comparative analysis of competitors and suppliers to maintain fair prices on products without compromising profits. The analysis helped to increase sales by 30% and acquire loyal customers.

- Maintain and analyze data on perishable products like meat and vegetables in Excel and find strategies to reduce waste and generate profits. Using the strategy, we were precisely able to find out the life of perishable products and appropriate time to freeze and maintain quality.

Store Manager and Business Developer 03/2021 - 10/2021
Sip The Beans - Bray
- Streamlined the sale process, optimized product inventory management system by scheduling backups and cleansing the fetched data from Google Drive using Python.
- Identified KPI's and factors affecting sales by performing.
- Explanatory Data Analysis to generate insights using Excel which boosted the sales by 60%
- Developed proof of concept by forecasting sales and inventory using LSTM technique to help maintain adequate stocks.
- Developed proof of concept using Market Basket Analysis that assisted making decisions regarding offers and discounts.
- Automated monthly revenue submissions using Excel that reduced accountants report generation time.

Data Analyst (Intern) | October 2020 - March 2021
Cognition World Ltd - Dublin
- Analyze and visualize IoT near real time series data using Power BI and python by functional/trend analysis. The analysis helped clients to understand energy consumption patterns and take timely optimization decisions saving resources.
- Implemented end to end issue management process using FreshDesk that solved the client and in-house issues on-time as per the SLA.
- Generated weekly Excel reports using data from FreshDesk REST API helping the team to focus on low level issues that were being previously ignored and help stake holders to make business/technological strategic decisions.
- Studied AWS services such as API Gateway, Code Commit, Code Deploy, Code Pipeline and generated a beta version of CI/CD pipeline based on semantic versioning.
- Assisted other developers with tasks like decoding LoraWAN and Sigfox IoT devices for data ingestion, and generated knowledgebase that saved teammates crucial time.

Software Developer and Database Engineer | Jul 2015 – March 2018
Digital Spirit – Nashik, India
- Developed Android applications from version 5.1 (Lollipop – API 22) to version 6.0 (Marshmallow – API 23) for healthcare using Java as a part of the core development team and generate insights using Python helping next of kin to take quick decisions.
- Developed Firebase database to implement an Android chat application for internal teams that increased communication between teammates to solve issues and develop ideas.

- Worked with SEO team to create analytical reports using Python on the client website that helped marketing team to channelize resources and choose appropriate platform for advertisements.
- Identified the trends and opportunities of growth by using classification, clustering, association rules against the global keywords, and fine-tuning the ads posted.
- Configured backend merchant functions like multi-shipping, tax, payment method, fraud protection on PHP based woo-commerce stores bringing smooth check-out experience.
- Visualize performance management system by mining data from SAP HANA database to SAP B1 dashboard. The visualization helped the HR team to help low performing employees by giving appropriate training/counselling.
- Gathered requirements from business analysts, develop physical models using Erwin and create DDL scripts to help design database schema and database objects.
- Designed and developed the RDBMS model for e-commerce data based on Snowflake schema.

Skills
- Analytics: Data pre-processing, Classification, Linear Regression, Clustering, Decision Trees, Time Series
- Reporting tools: Excel, Tableau, PowerBI
- Languages: Python (Pandas, Numpy, Statsmodel, Matplotlib, etc), Core Java, Design patterns, Object Oriented.
- Web development: Django, Flask, HTML, CSS, JavaScript, WordPress, Bootstrap, AWS services (API Gateway, EC2, ECS, DynamoDB, IAM, S3, SNS, SQS, etc)
- Database: PostgreSQL, Google Firebase, DynamoDB
- IDE: Visual Studio
- DevOps Pipeline: Github Actions, Jenkins
- Methodologies: Agile development

Achievements
- National level Mathematics Olympiad - 3rd in city and 1st in Junior College
- Written various technical eBooks with Shaku Atre
  - 10 Steps to Achieve Financial Independence (link)
  - 7 Computer Skills You Must Have to Survive & Prosper in Today's World (link)

Education
- Master's Big Data Management and Analytics | 2018 - 2020
  Griffith College Dublin | GPA: 2.1
  Areas: Cloud Computing, Machine Learning, Big Data Management, Statistics, Linux, Hadoop, Spark, Python, SQL
- Master's Computer Applications | 2013 – 2015 | Pune University | Grade: 61.3%
- Bachelor's Computer Science | 2010 – 2013 | Pune University | Grade: 63.42%