

NIKSHEP A KULLI

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SUMMARY

Passionate Data Science Intern with a strong background in data science and statistics, focused on analyzing user behavior, experience, and engagement to drive business growth through data-driven insights.

EDUCATION

Sacred Heart University

Master of Science - Data Science; GPA:3.8/4

Fairfield, CT

Aug 2022 - Dec 2023

Relevant Coursework: Machine Learning, Deep Learning, Big Data Analytics, Data Science Architecture, Advanced Database Design, Applied Statistics, Advanced Scripting Python, Special Topics in Data Science

M S Ramaiah University

Bachelor of Engineering - Engineering in Electrical & Electronics Engineering

Bengaluru, India

Jun 2014 - Jul 2018

P. V. P Polytechnic

Bachelor of Technology - Diploma in Electrical & Electronics Engg

Bengaluru, India

April 2011 - May 2014

EMPLOYMENT

British Airways

Data Science Virtual Intern

Fairfield, CT

May 2023 - May 2023

- Developed web scraping techniques using tools like BeautifulSoup to extract valuable data from websites. Performed data analysis and visualization using Python libraries like Seaborn, NumPy, and Pandas. Uncovered competitor strategies, market dynamics, and customer behavior to facilitate data-driven decision-making.
- Predicting Customer Buying Behavior: Utilized machine learning expertise and Scikit-learn/Random Forest algorithms to build a predictive model for customer buying behavior. Achieved 85% accuracy in predicting customer preferences and purchase patterns. Empowered the company to tailor marketing strategies, enhance customer segmentation, and optimize business operations for sales growth and customer satisfaction.

Sacred Heart University

Research Assistant

Fairfield, CT

Jan 2023 - May 2023

- Achieved 95% accuracy in breast cancer prediction using linear regression on the Scikit dataset.
- Conducted sentiment analysis on tweets with an 85% accuracy rate.
- Identified prevalent topics and sentiments in COVID-19 tweets using LDA analysis.
- Designed Vinyl Rack for the IDEA Lab, resulting in a 30% increase in storage capacity and an award for outstanding creativity and innovation.
- Accomplishments showcase the ability to deliver impactful results, utilizing data-driven approaches that improve business outcomes.
- Possesses strong analytical skills and the ability to work with large datasets, making for a valuable asset in any research or data-driven project.

Oracle Cerner

Software Engineer II

Bengaluru, India

Dec 2019 - Aug 2022

- Managing releases and improving features such as CPDI and WTSLocation for the Operations team, reducing workload by 50% for Kansas City counter parts and reducing bugs.
- Revamped data collection framework using Olympus and Jetstream frameworks, resulting in a 20% increase in data accuracy and a 30% reduction in processing time.
- Improved script management process by implementing centralized changes and resolved crash gather requests, resulting in a 25% reduction in crash reports and an increase in customer satisfaction.

6D Technologies

Software Engineer

Bengaluru, India

Aug 2019 - Dec 2019

- Developed SMSC GUI for clients in Vietnam and Indonesia and served as React UI and Backend Developer for Sony Ericsson's Campaign Manager System (MAGIK), resulting in a 40% increase in system efficiency and a 25% reduction in system downtime.

Probots Techno Solutions

Embedded Software Engineer

Bengaluru, India

Jun 2018 - Jul 2019

- Developed an Android app for kidney dialysis reprocessing machine, resulting in a 15% increase in machine communication efficiency and a 20% reduction in communication errors.
- Created a C# app with REST API for Collin Aerospace evacuation-slide fabric tester, resulting in a 30% reduction in testing time and a 25% increase in testing accuracy.
- Devised a GPS tracking Android application for Alpine star using Google API and an Arduino Mini.

ACHIEVEMENTS

InnobaInMe Award - May, 2021 - Deepak Gupta, Director - Introduced Ai to Ventilators and showcased how we can optimize the usage of ventilators.

Associate Behavior Award - Oct, 2021 - Ajay Arora, Senior Director - Associate Behavior Award for Innovate & Simplify in CWx Received for the VS code plugin made for Call Home developers.

Ship IT IX - Jun, 2021 - 24H coding Challenge to design, develop and showcase. Created a react application which will collect associate experience and state the mental health of an employee.

Ship IT XI - Jan, 2022 - Won ShipIt second place for INGEST - Interactive GesturesAI based android application for understanding hand gestures in sign language, it helps connecting with challenged people and understand them.

Future of Information and Communications Conference - Jun, 2023 - Published research article COVID-19 Vaccine Response on Social Media using LDA Analysis

SKILLS

Languages:	Java, R, Python, JS, C, C++, C#,VBS
Big Data:	Hadoop, Casandra, MongoDB
Data Sciene:	Keras, Pandas, Numpy, Scikitlearn, Jupyter, Pytest, NLTK, SPacy, HuggingFace
Methodologies:	Agile, Semantic versioning
Tools:	JIRA, Jenkins, PostgreSQL, Airflow, Git
Platforms:	Linux, Windows
Frame Works:	Spring, Hibernate, Django
Visualization:	Tableau, Seaborn, Matplotlib
Soft Skills:	Project management, Collaboration, Problem-solving, Critical thinking, Creative thinking

PROJECTS

Cerner Corporation:

- Worked on AI and ML-based life-saving leaf blower technology for Cerner.
- Wrote Call Home scripts using SQL, PL-SQL, T-SQL, VB Script, Power Shell, and database queries. Results stored in the Cloud Transport Service CCTS and displayed in Vertica & Lon databases.
- Improved Jetstream framework CSV reader and Call Home data collection framework.
- Created a Java Native Interface to fetch free disk space on Linux servers using JavaScript & C++.
- Enhanced server identification scripts and crash gather dumps data collection.
- Eliminated sensitive password display in the Millennium domain for the Olympus application using JavaScript.
- Streamlined Workflow Analyzer workflows using the new CorrelationID parameter and optimized timers.
- Designed a UI portal for CallHome utilizing the Django framework and Python.
- Wrote a JavaScript to create new datastores in the Olympus UI.

6D Technology:

- Constructed a React element for a tree structure using JSON and Reactstrap in the Magik UI project.
- Wrote services in SPRINGBOOT for the React tree view with CRUD operations.
- Implemented a feature in SMSC GUI to view MSISDN reports utilizing Java and JSP servlets.

Probots Techno Solutions:

- Formulated a native C/C++ keycode API to interact with a REST API for controlling a kidney dialysis reprocessing unit for GK Healthcare.
- Developed an Android app with an API to connect with a GPS tracker kit for Alpine Star.
- Engineered a remote control that uses Bluetooth and enables recording and clicking of videos on RTMP and RTSP servers.
- Engineered a pet tracker app using Android, Arduino GPS, C/C++, REST API, Google Maps API, and JSON.
- Constructed a custom camera app that captures photos and QR codes with auto-focus.
- Implemented live video streaming with RTSP and RTMP servers.