Yash Patil

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EDUCATION

Santa Clara University   **September 2023 – Present**
Master of Science in Computer Science and Engineering (GPA: 3.50 / 4.00)   *Santa Clara, CA*
Coursework: Artificial Intelligence, Design and Analysis: Algorithms, Operating Systems, Computer Architecture

Rajarambapu Institute Of Technology   **August 2016 – October 2020**
Bachelor Of Technology in Computer Science and Engineering   *Sangli, India*
Coursework: Data Structure using C, Discrete Mathematics, Advanced Database System, Principles Of Machine Learning

EXPERIENCE

Santa Clara University   **January 2024 – Present**
Data Scientist (Student Assistant)   *Santa Clara, CA*
- Collaborating with the Office of Institutional Research(IR) to support SCU's transition from PeopleSoft to Workday Student platform through active participation in project-based activities.
- Utilizing business intelligence, **ETL** tools, **SQL**, and data science expertise to design, develop, and test academic requirements at SCU.

Searchspring   **April 2023 – August 2023**
Data Engineer   *Remote*
- Implemented Integrated Spell Correction (ISC) for **400** clients, enhancing search accuracy using product catalog data instead of dictionary words, improving customer experience.
- Developed a **PySpark**-based real-time data transformation pipeline, optimizing **Big Data** processing efficiency for a diverse portfolio of **1400** clients.

Anju Software   **March 2021 – December 2022**
Data Scientist Engineer   *Pune, India*
- Spearheaded development of TA-Scan 7, increasing data processing efficiency by **45%** and expanding coverage to 32 clinical trial registries, while achieving **$200,000+** cost savings by implementing Python-coded scrapers to replace expensive third-party tools for data processing.
- Played a key role in launching the company's **DATA API**, securing Daiichi as the inaugural client and consistently delivering tailored data solutions to prominent industry players like Roche, Curis, and ResMed.
- Led the TA-Scan data team, mentoring senior colleagues in **PySpark, PyTorch, and Python**, showcasing adaptable leadership and decisive decision-making.

MarQuery   **December 2019 – June 2020**
AI Intern   *Pune, India*
- Integrated Twilio's API across multiple platforms, showcasing expertise in API integration.
- Crafted AI-powered chatbots for E-commerce applications, highlighting proficiency in customization.

PROJECTS

ChatBot Using Machine Learning and AI | *Python, NLP, TensorFlow 2.0, Django*
- Pioneered a ChatBot utilizing ML and AI, integrating Natural Language Processing (NLP) to power an inquiry portal. This ChatBot empowered students to effortlessly register complaints and access information about specified colleges, fostering user engagement and delivering timely assistance through automated text-based interactions.

Pollution Notifier | *Java, XML, Android Studio, Android SDK*
- Designed and implemented an Android-based Pollution Notifier app, contributing to efforts to reduce pollution in society.

TECHNICAL SKILLS

Languages: C, C++, JAVA, Python (NumPy, Pandas, Matplotlib, Scikit-Learn, PySpark, PyTorch, Koalas), JavaScript, SQL, MYSQL, R, Go, Ruby, Bash.
Frameworks and Tools: Data Engineering (Apache Spark, Scala, Databricks, Apache Flink, Apache Kafka, Tableau, PowerBI), Microsoft Azure, AWS, Neural Networks (Deep Learning, Transfer Learning, TensorFlow 2.0), Dialogflow, Git.
Certifications: Microsoft Azure for Data Engineering, Complete Machine Learning and Data Science Bootcamp, AI For Everyone, Introduction to Python for Data Science.