

Joel Kinny

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SUMMARY

AWS and Azure Certified Data Engineer with 5 years of Python Full Stack development expertise. ETL/ELT development, and financial data processing along with experience in Deep Learning modeling and development.

EDUCATION

Rutgers University | New Brunswick, NJ

M.S. in Electrical and Computer Engineering | GPA: 4.0/4.0

May 2025

Relevant Courses: Computer Architecture, Data Structures & Algorithms, Cloud Computing and Big Data, Deep Learning

University of Mumbai, Xavier Institute of Engineering | Mumbai, MH

B.E. in Electronics and Telecommunication Engineering | GPA: 7.75/10.0

June 2019

Relevant Courses: Neural Networks, Object Oriented Programming, Microprocessors, Wireless Networks

TECHNICAL SKILLS

Programming Languages: Python (Advanced), C++(Intermediate), JavaScript (Beginner), Pl/SQL (Intermediate), UNIX Bash

Tools and Technologies: AWS, Apache Spark, Airflow, DataStage, Hive, Pig, Jira, Jenkins Git, Django, Flask, CUDA

PROJECTS

OpenAI Chatbot | Personal Project

Jan 2024

- Developed a web chatbot application using **OpenAI** on a **Django** environment using **Python** and **JavaScript**
- Provides user authentication, user based conversations and a **Postgres** backend

Stock Intrinsic value and Price Prediction | Course Project

Dec 2023

- Created a price prediction model using **Apache Spark** and **MLlib** and observed a prediction accuracy of about **78%**

Autonomous Vehicle Prototype | Capstone Project

May 2019

- Led the collaboration and development of a scaled down autonomous vehicular bot using **Deep Learning** methods and achieved a test accuracy of **92%** in simulated tests. Published **two** papers on the research done during project
- Used **Python**, **OpenCV** and **Flask** for the development environment and **RaspberryPi** and motor drivers for the prototype model

PROFESSIONAL EXPERIENCE

Data Engineer | Quantiphi Analytics | Mumbai, MH

Jul 2021 - Aug 2023

- Successfully developed and deployed a financial Enterprise Data warehouse on **AWS** by modernizing the architecture, optimizing the data processing pipeline by over **70%** reduction in runtime
- Led the development and successful deployment of **API** endpoints and financial APIs within client data ecosystem
- Mentored fellow team members and clients on development strategies, best practices and key concepts

Senior Software Engineer | Capgemini Technology Services | Mumbai, MH

Aug 2019 - Jul 2021

- Supported and instrumental in the development of key **ETL** processes using **HPC**, **UNIX** and **SQL Server**
- Collaborated in the development of a **Python Data Analysis library** for the actuarial users and received appreciation for key stakeholders

EXTRACURRICULAR ACTIVITIES

- Participated in the Global Data Science Challenge and was part of a team responsible for using AI to study ocean currents and identify whales respectively
- Volunteered for the Anveshana Science and Engineering Fair and mentored underprivileged middle-school children in building a Science Fair project which involved Solar Powered Lighting System
- Represented the Capgemini football team and represented the organization, winning a tournament at the corporate level football
- Worked as the placement coordinator for the College Placement Cell which assists in campus recruitments

LANGUAGES

English (Fluent), Hindi (Fluent), Marathi (Intermediate), French (Beginner)