

Pranav Khismatrao

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Education

Master of Science, Software Engineering Systems

Expected Oct 2024

Northeastern University, Boston, MA

Relevant Courses: Object Oriented Design (Java), Web-Design

Bachelor of Engineering, Information Technology

Oct 2020

Mumbai University, India

Relevant Courses: Data Structures Algorithms, Database Management, Cloud Computing

Technical Skills

Programming languages: Python

Frameworks: Django, Flask, Pyramid, NumPy, Pandas, Scikit-Learn

Web Technologies: HTML5, CSS, JavaScript, jQuery, Bootstrap

Tools and Technologies: Git, AWS, Docker, Jenkins, JIRA, Agile methodologies

Data Science Domain: Machine Learning, AI Chatbot, Neural Networks

Databases: MySQL, Mongo DB, Firebase

Professional Experience

Tata Consultancy Services, Mumbai, India

Jan 2021 - Jul 2022

Assistant System Engineer

- Accomplished 6 months of training held by TCS with course content including Python language, and Flask framework
- Strong proficiency in Python for data analysis, including libraries such as NumPy, Pandas, and Matplotlib
- Experience with data visualization and presentation using tools like Tableau and PowerBI
- Knowledge of machine learning algorithms and their implementation using scikit-learn
- Familiarity with SQL and database management systems
- Ability to work in a team environment and communicate effectively with both technical and non-technical stakeholders
- Assisted in the design and implementation of a database management system
- Analyzed and presented insights on customer behavior and sales trend

Academic Projects

Phishing Inspector

May 2020 - Sept 2020

- Built a web browser extension that can identify phishing websites in response to the issue that many internet users encounter
- Modeled machine learning algorithm leveraging Python that provides 90% accuracy to detect already declared phishing websites from imperative dataset and predict new potential Phishing websites.
- Skills Gained – Python, Web Extension development, Machine Learning Algorithms.

Food App Chatbot

- Designed and developed conversational AI chatbots using platforms such as Dialogflow, Microsoft Bot Framework, and TensorFlow.
- Implemented NLP techniques like sentiment analysis, entity recognition, and context management for enhancing user experience.
- Trained the chatbot on large datasets to improve their understanding and accuracy.
- Monitored chatbot performance and fine-tuned it based on user feedback and metrics like engagement rate and resolution rate.
- Skills gained: Machine learning, Neural Networks, ETL, NLP

Publications

Phishing-Inspector (ICACC-2020): Detection & Prevention of Phishing Websites, International Conference on Automation, Computing and Communication 2020