

# Amit Bhargav

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## EDUCATION

**B.Tech Computer Science and Engineering**  
GUJARAT UNIVERSITY

Sarigam, Gujarat | Jun 2022

## WORK EXPERIENCE

### APPITSIMPLE | SOFTWARE DEVELOPMENT ENGINEER

Ahmedabad, India | April 2024 – April 2024

- Pioneered the development of real-time voice cloning code, enabling users to transform their voices in real-time.
- Engineered a REST API tool for seamless image uploads to Amazon S3 buckets. Upon analysis, identified bottlenecks in the existing process, significantly enhancing efficiency. Optimized the codebase, resulting in a remarkable reduction in upload time from 2 days to just 1 hour for 1000 images. Implemented error handling mechanisms, generating a comprehensive CSV report documenting failed updates and duplicate entries.

### ENJAY IT SOLUTIONS LTD || SOFTWARE DEVELOPMENT ENGINEER

Bhilad, India | Aug 2021 – March 2024

- Developed real-time server status and load features for a cloud-native infrastructure visualization and server monitoring tool named Sugam Monitoring Tool.
- Created backdoor APIs, and internal scripts, and generated Swagger documentation for the Python 3.8-powered Customer Owner micro-service.
- Resolved bugs in various connectors including MySQL, APIs, and third-party integrations. Contributed to Linux-based tool development.
- Customized operating systems and performed automation testing using Selenium.
- Set up a CI/CD pipeline and exceeded requirements in each stage, which led to the application being pushed to production.
- Innovated the development of EnrichData AI, a LinkedIn scraping tool leveraging AI and machine learning technologies for comprehensive data enrichment.

### SUVEN CONSULTANTS AND TECHNOLOGY | DATA ANALYTICS INTERN

Bangalore | Jun 2021 - Jul 2021

- Implemented a handwritten digit recognition system using Python 3.8 and the Scikit-learn library.
- The model was trained using neural networks, logistic regression, and k-nearest-neighbors algorithms.
- Applied regularization to prevent overfitting. Practiced test-driven development and authored comprehensive unit tests. Gained exposure to Python 3.8, machine learning algorithms, and essential libraries such as NumPy, Scikit-learn, and Pandas during the internship focused on data analytics at Suven Consultants and Technology Pvt. Ltd.

## PROJECTS

### RECOGNIZING HANDWRITTEN DIGITS

PYTHON, PYSPARK, SELENIUM, DIGITS, BIG DATA

Used Python's sci-kit-learn library to create a system recognizing handwritten digits. Trained diverse algorithms like Neural Networks, Logistic Regression, and K-Nearest Neighbors on digit image data.

### SENTIMENT ANALYSIS USING NLP LIBRARIES

PYTHON, OBJECT-ORIENTED DESIGN, NLTK

Built a project using Python's NLP libraries to analyze sentiment in text data. Applied machine learning techniques to classify and determine emotional sentiment, providing insights into public perception and opinion trends.

## SKILLS

**Programming Languages:** Python, PHP, R, Shell Scripting, C, SQL, API

**DataBase:** PostgreSQL, MongoDB

**Machine Learning:** Scikit-Learn, SciPy, PyTorch, NLTK

**Statistics:** Hypothesis Testing, Frequentist, and Bayesian Inference, Time Series Modelling

**DevOps:** Git, Docker, PyTest, Ansible, Jenkins

**Cloud Computing:** AWS, GCP

**Framework:** Django, Flask, FastAPI