

DEVEN PARAG NABAR

Los Angeles, CA | 213-839-0760 | dnabar@usc.edu | linkedin.com/in/devennabar | github.com/DevenNabar

EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

JAN 2023 - DEC 2024

Master of Science in Computer Science

GPA: 3.80/4

Courses - Analysis of Algorithms, Web Technologies, Machine Learning (ML), Natural Language Processing (NLP), Information Retrieval, Advanced Data Stores

D. J. SANGHVI COLLEGE OF ENGINEERING, MUMBAI

AUG 2018 - JUL 2022

Bachelor of Engineering, Information Technology

GPA: 9.09/10

Courses – Operating Systems, Software Architecture, Artificial Intelligence (AI), Computer Networks, Database Systems, Big Data Analysis, Cloud Computing Systems

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, HTML, CSS / Sass, C, C++, Java, Swift, R
- **Frameworks:** NodeJS, Express, Angular, React, Flask, Django, Bootstrap, Flutter
- **Databases:** MySQL, Oracle, Postgres, MongoDB, DynamoDB, Firebase
- **Cloud Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure
- **DevOps:** Docker, Kubernetes, Git, Jenkins, GitHub, Bitbucket
- **Python Libraries:** NumPy, Pandas, Scikit-learn, SciPy, Keras, TensorFlow, Matplotlib, Seaborn, Pytorch, NLTK

WORK EXPERIENCE

VB CONSULTANCY SERVICES | Software Engineering Intern

MAY 2021 - JUL 2021

- Developed progressive web application, leading to a 75% increase in web traffic and improved user retention.
- Designed an innovative workflow to revolutionize customer engagement by connecting potential clients with consultants tailored to their individual preferences, resulting in 35% increase in customer engagement rates.
- Tested and rectified software bugs, increasing site security and enriching user experience by 40%.
- Utilized React for front-end, Node as backend, and MySQL for relational database engine.

TECHSTRIDE LLC | Software Engineering Intern

DEC 2020 - FEB 2021

- Overhauled front-end of company website, resulting in 85% increase in site visits.
- Collaborated with peers and senior executives to analyze requirements and plan implementations.
- Acquired hands-on experience in agile environment and employed Git for effective team collaboration.
- Optimized codebase to increase website speed by 47%, following a detailed review & implementation of recommended changes.

PROJECTS AND PUBLICATIONS

GLOBAL SPEAK

FEB 2024 - APR 2024

- Utilized OpenAI's Whisper model for comprehensive speech processing tasks including language detection, transcription, and translation, enhancing accuracy and efficiency in multilingual communication.
- Developed emotion detection capabilities, enabling nuanced understanding of emotional subtleties in speech for improved user interaction and feedback analysis.
- Applied the model in diverse real-world scenarios, achieving significant improvements in speech recognition performance across varied dialects and emotional contexts.

E-COMMERCE APPLICATION

AUG 2023 - DEC 2023

- Developed responsive web application for eBay product searches, utilizing Angular, Node, Express, and MongoDB (MEAN stack) written in TypeScript. Built companion iOS application using Swift with 14 critical functionalities.
- Implemented seamless integration with third-party RESTful APIs in a thread-safe and asynchronous manner for real-time retrieval of product data and efficient management of user wish lists within application.
- Boosted user experience with mobile-friendly interface and cross-browser compatibility.
- Deployed and optimized application on Google Cloud Platform (GCP) for high performance and scalability.

COMMUNICAID SIGN LANGUAGE RECOGNITION APPLICATION

AUG 2021 - MAR 2022

- Created transformative application enhancing communication between hearing and speech-impaired individuals and banking professionals, leveraging OpenCV for nuanced human-computer interaction for fostering inclusive finance.
- Accomplished an 85% accuracy rate in converting sign language gestures into corresponding words and seamlessly integrated these words to formulate coherent sentences depicting human actions using LSTMs and other ML models.
- Presented a research paper, 'A Study of Sign Language Recognition Techniques' at ICRTCIS Conference 2021, published in SCRS book series 'Conference Proceedings on Intelligent Systems'.

LEADERSHIP AND INVOLVEMENT

- **Resident Manager (USC Housing):** Streamlined housing operations by implementing automation solutions. Trained and supported student workers to elevate customer service standards.
- **Logistics Executive (Computer Society of India):** Coordinated teams to manage coding events for over 300 participants, collaborated with marketing to secure sponsorships from established corporations & upcoming startup.