# DEVEN PARAG NABAR

Software Engineer | Los Angeles, CA | (213) 839-0760 | nabar.deven@gmail.com | LinkedIn | GitHub | Website

I am pursuing a Master of Science in Computer Science from USC, specializing in advanced algorithms, NLP, and AI, with a strong background in full-stack development and cloud solutions. I embody strong collaborative teamwork, continuous learning, and knowledge sharing ethos.

## EDUCATION

**University of Southern California (Los Angeles, CA)**                               *January 2023-December 2024*
*Master of Science in Computer Science*                                                                    GPA: 3.8 / 4
Courses – Analysis of Algorithms, Natural Language Processing (NLP), Machine Learning (ML), Web Technologies, Information Retrieval

**D.J. Sanghvi College of Engineering (Mumbai, India)**                               *August 2018-July 2022*
*Bachelor of Engineering in Information Technology*                                               GPA: 9.1 / 10
Courses – Operating Systems, Software Architecture, Computer Networks, Database Systems, Big Data Analysis, Cloud Computing, Artificial Intelligence (AI)

## TECHNICAL SKILLS

Programming Languages: Javascript, Typescript, Python, C, C++, HTML, CSS / Sass
Database: MongoDB, MySQL, Postgres, Oracle, Neo4j, DynamoDB, Firebase, Redis
Frameworks: Node.js, Express, React, Next.js, Angular, Flutter, Tailwind, Bootstrap, Material UI, Django
Project Management: JIRA, Confluence, Agile / SCRUM
AI: Langchain, LlamaIndex, Huggingface, OpenAI, Groq
DevOps: Docker, Kubernetes, Git, Jenkins, Mocha, Jest, CI/CD, Bitbucket
Cloud: Amazon Web Services (AWS), Google Cloud Platform (GCP), DigitalOcean

## WORK EXPERIENCE

**WorkUp**                                                                           **Marina del Rey, California**
*Software Engineer Intern*                                                                       *May 2024-July 2024*
- Developed a comprehensive MERN (React, Node, MongoDB, Express) stack web application for start-up, addressing and resolving various code issues to ensure optimal performance and user experience.
- Contributed to a platform designed for job postings in short-form content, integrating an AI Assistant to boost interview preparation for users.
- Deployed SaaS application using Amazon Web Services (AWS) EC2 with Auto Scaling, Lambda, S3, and Amazon Sagemaker to ensure high performance, distributed computing, distributed storage, scalability, and cost-efficiency for solution.
- Improved page load speed by 45% by implementing lazy loading strategy.

**Hub Matrix Technologies**                                                                           **Pune, India**
*Software Development Engineer Intern*                                                *September 2022-November 2022*
- Developed and executed data-driven solutions to streamline performance reporting and payroll systems, enhancing operational efficiency.
- Applied advanced data analytics techniques to analyse and optimize HR processes, ensuring accurate and actionable employee insights.

**VB Consultancy Services**                                                                         **Mumbai, India**
*Software Engineer Intern*                                                                         *May 2021-July 2021*
- Created a progressive web application using React, Node, and MySQL, leading to 75% increase in web traffic, enhancing user retention, and better user experience through rectified security issues and bug fixes.
- Designed and implemented an innovative customer engagement workflow, connecting clients with tailored consultants, resulting in a 35% increase in engagement rates.

**TechStride LLC**                                                                                 **Mumbai, India**
*Software Engineer Intern*                                                            *December 2020-February 2021*
- Overhauled front end of company website, boosting site visits by 85% and website speed by 40% through codebase improvements.
- Collaborated with peers and stakeholders to analyse requirements, plan implementations, and gain hands-on experience in agile environment.

## PROJECTS

**A.I. Suite**                                                                                *January 2024- Present*
- Designed and developed transcription and multi-language translation services leveraging OpenAI Whisper and Facebook mBART, achieving high accuracy in voice-to-text conversion and seamless cross-lingual communication.
- Created a Retrieval Augmented Generation (RAG) application employing Llama3-70b and Langchain technologies to synthesize and retrieve contextual information.

**E-Bay Product Search**                                                           *August 2023- December 2023*
- Built a responsive web application for eBay product searches using Angular, Node, Express, and MongoDB (MEAN stack) in TypeScript, along with a companion iOS application in Swift featuring 14 critical functionalities.
- Implemented third-party RESTful API integration for real-time product data retrieval and user wish list management, optimizing performance and scalability through deployment on Google Cloud Platform (GCP).