

# Aditya Mali

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## ABOUT ME

Passionate about Artificial Intelligence, Full stack development, System Programming and problem solving. I am a quick learner and an enthusiast for various engineering and technology related fields. Currently learning Deep Learning and System Programming, and doing a research project in my college. Always seeking new experiences and embracing emerging technologies.

## EDUCATION

- **Bharti Vidyapeeth College Of Engineering, Pune** Maharashtra, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 8.86%* 2021 - 2025  
*Courses:* Linear Data Structures, Non-Linear Data Structures, Analysis of Algorithms, Database Management Systems, System Programming and Operating Systems, Machine Organization and Microprocessor, Natural Language Processing, Machine Learning, Deep Learning, Cryptography and Network Security, Software Engineering, Big Data Analytics, Theory of Computing, Computer Networks, Physics, Chemistry, Probability and Statistics, Complex and Discrete Mathematics
- **Nav Krishna Valley School, Sangli** Maharashtra, India  
*Higher Secondary Certificate(MSBHSE) - Science; PERCENTAGE: 88.98%* 2019 - 2021
- **Podar International School, Sangli** Maharashtra, India  
*Secondary Certificate(CBSE) - PERCENTAGE: 92.6%* 2019

## SKILLS & INTERESTS

- **Languages:** Python, C++, C, Java, SQL, HTML, CSS, JavaScript, Typescript, R, PHP
- **Technical Skills/Software:** Markdown, LaTeX, Microsoft Office, TinkerCAD, git, VSCode, MySQL, PostgreSQL, Android Studio, Xcode, Notion, Figma, UNIX, Linux, Cisco Packet Tracer, Postman
- **Libraries/Frameworks:** Numpy, Pandas, Matplotlib, Scikit, NLTK, OpenCV, TensorFlow, Keras, React, Next.js, Node.js, Flask, Firebase, JupyterNotebook, Anaconda Navigator

## EXPERIENCE

- **BLP Industry.AI** Bangalore, Karnataka, India  
*Visual Analyst Intern* June 2024 - August 2024
  - : Computer Vision Engineer working using OpenCV to build a model to detect defects on Fiber Optic Cable Bobbins with an accuracy of 98.6%.
- **WebFudge Media** Pune, Maharashtra, India  
*Freelance Web Developer & Designer* August 2023 - Present
  - : Worked with the WebFudge team working on multiple Web-Development Projects for WebFudge's clients.
  - : Designed immersive yet user-friendly UIs showcasing each brand's identity uniquely.

## PROJECTS

- **Optical Charecter Recognition (Deep Learning):** Built a character recognition system using ResNet model in Keras/Tensorflow. This model is trained on MNIST 0-9 and Kaggle A-Z datasets and is capable of recognizing handwritten text.
- **Netgarage Website (Full Stack):** Designed and developed an online marketplace website for pre-owned motorcycle reselling. This project also included market research wherein we connected with various preowned motorcycle resellers to understand the pain points and recognise solution for the issues.
- **Text Summarizer (Machine Learning):** Built an extractive text summarizer that ranks sentences based on the similarity of the words, ranking the sentence to find the sentence that best describes the passage text. Comparing word tokens to a similarity vector and finding the words with highest frequency ensures all the words in the summary are derived from the text provided.

## ACHIEVEMENTS & CERTIFICATIONS

- **Microservices with Node JS and React (Udemy):** Gained expertise in architecting scalable multi-service applications, deploying them using Docker and Kubernetes, and solving challenges in event-based, asynchronous communication between services. Developed full-stack applications using React, Next.js, Node.js, Express, MongoDB, Redis, and TypeScript.
- **Linux System Programming and Introduction to Buildroot (Coursera):** Acquired knowledge of system programming for the Linux OS, focusing on interfacing with the Linux Kernel and C library. Gained hands-on experience in building custom Embedded Linux systems using the Buildroot build system, with in-depth understanding of kernel and root filesystem components.
- **Organizing Team Member @ Bharatiyam (2023):** Was part of the team organising multiple events at the fest, contributing to managing sponsors and organising events with the Computer Science Department.
- Several online course certificates from Udemy and Coursera.