ADITYA PRAKASH

prakashadityaap@gmail.com ◊ linkedin.com/in/adityaprakash-26 ◊ www.aditya-prakash.me

EDUCATION

Institute of Engineering & Technology, Devi Ahilya Vishwavidyalaya (NAAC A+ grade) 2019 - 2023
Bachelor of Engineering in Computer Engineering *Indore, India*

Courses: Computer Programming in C++, Data Structures, Design and Analysis of Algorithms, Artificial Intelligence
CGPA: 8.44/10

SKILLS

Languages	C, C++, Java, Python, JavaScript, HTML, CSS
Libraries & Frameworks	Axios, Redux, Mongoose, Ky, Express, React, Node, Discord.py, OpenCV, Android, Streamlit
Databases	MySQL, MongoDB, MariaDB, Redis, Firestore

EXPERIENCE

Swati Jain College (Affiliated to DAVV, Indore) Aug, 2022 - Present
Teaching Assistant *Indore, India*

- Taught courses like Data Structures and Algorithms, Programming in C/C++, and Software Engineering to undergraduate students.
- Mentored 3 groups of 5 students in Machine Learning and Full-Stack Development projects. Led the design and development of “Hospital Administration and Insurance” and “Shopping-cart Comparison” mobile apps.

workattech Mar 2022 - Jun 2022
Software Development Intern *Indore, India*

- Developed the user profile page for over 50,000 users with features like problem distribution, rank-card, progress bars, and a heat map of past submissions.
- Programmed a problem bookmarking system to filter 300+ problems across 4 difficulties and 14 topics.

EduMeta Mar 2021 - Feb 2022
Software Development Intern *Indore, India*

- Engineered a school management software for managing day-to-day school activities. Scaled for use by over 3,000 users. Provides features such as multiple authentications, fee payment, parent-teacher meetings, attendance, etc.
- Designed and developed a full-stack website and a dashboard for admins. Pushed updates to improve performance by 50% over 3 months.

PROJECTS

Sorting Visualizer: Developed a JavaScript software for educators and students alike to visualize and explain sorting algorithms like Merge Sort, Bubble Sort, Quick Sort, etc. It has been used over 1,500 times.

Lane Line Detection: Built a Python program for safer autonomous vehicles. The application leverages OpenCV and detects lane lines on roads with over 95% accuracy.

RESEARCH

Early Heart Attack Detection System: The paper aims to analyze and discuss various methods that can warn against a heart attack in advance. Paper ID: IRF-ICCSMLAI-INDRE-101122-700

EXTRA-CURRICULAR

- **Google Developer Student Club:** As a core team member, organized technical events and programming workshops attended by over 2,000 college students.
- **Competitive Programming:** Achieved a rating of 4 stars on CodeChef and solved over 600 problems on Leetcode. Voted as the Guardian Angel in the LeetCode study group for mentoring coders and sharing high-quality solutions.
- **COVID-19 Volunteering:** Supported the vaccination effort by participating in outreach programs of the local police department. Also volunteered at the vaccination center to aid citizens through the process.