

# AMSIDHA BIRAJDAR

+91 9307888867 | birajdaramasidha2003@gmail.com | Pune, Maharashtra, India

LeetCode | LinkedIn | GitHub

## PROFESSIONAL SUMMARY

I am a Software Engineer skilled in **Data Structures & Algorithms** and backend development, building scalable applications with **Python, FastAPI, Flask, and SQL**. I have solved over **240 DSA problems** on LeetCode and enjoy designing efficient solutions, optimizing systems, and delivering impactful software.

## EDUCATION

<b>B.Tech in Computer Science &amp; Engineering</b>	<b>2025</b>
SMSMPITR Akluj, Solapur University	CGPA: <b>9.56, First Class Honors</b>
<b>Higher Secondary Certificate (HSC)</b>	<b>2021</b>
H.D. Jr. College, Solapur, State Board	<b>80.6%</b>

## TECHNICAL SKILLS

**Programming:** Python, SQL, JavaScript

**Web Technologies:** HTML, CSS, Bootstrap, React.js (Basics)

**Frameworks & Libraries:** FastAPI, Django, Flask, Pandas, NumPy, Matplotlib, Seaborn

**Databases:** MySQL, PostgreSQL, Oracle SQL

**DevOps & Deployment:** Docker (Basics), Vercel, Netlify, Railway, Render

**Tools:** Git/GitHub, REST APIs, Postman, Power BI, VS Code, PyCharm

**Core Concepts:** DSA, OOPs, DBMS, OS Basics, Problem Solving

## KEY PROJECTS

**AI-Powered Career Counseling** | *Python, Flask, MySQL, Bootstrap, Pandas* **Aug 2024 – Apr 2025**

- Built an AI-driven web application to guide students in choosing career paths based on aptitude and interests
- Developed automated aptitude assessments and a recommendation engine using data analytics
- Implemented backend modules for student profiles, test responses, and career recommendations
- Integrated an interactive chatbot for personalized career guidance

**Titanic Survival Analysis** | *Python, Pandas, NumPy, Matplotlib, Seaborn* **Oct 2024 – Dec 2024**

- Performed exploratory data analysis to identify survival trends and influencing factors
- Analyzed socio-economic variables using statistical visualizations
- Built predictive models to evaluate feature importance and extract insights

**Swasthya HealthCare Solution** | *HTML, CSS, JavaScript, Bootstrap, MySQL* **Mar 2024 – May 2024**

- Developed a web-based healthcare management system to manage patient records and appointments
- Implemented secure authentication and role-based access control
- Designed structured database workflows for efficient data storage and retrieval

## PROBLEM SOLVING & DSA

- Solved **240+ DSA problems** on LeetCode
- Expertise in Arrays, Strings, Trees, Graphs, Dynamic Programming, Greedy, Sliding Window, Binary Search

## CERTIFICATIONS & ACHIEVEMENTS

- **NPTEL:** Python for Data Science (Elite)
- **Published Research Paper:** JETIR Journal (2025)

## ADDITIONAL INFORMATION

- **Career Interests:** Software Development, Backend Engineering, Full Stack Development
- **Soft Skills:** Analytical Thinking, Problem Solving, Team Collaboration, Adaptability