Amlendu Shekhar

Date of birth: 01/09/2000 | **Nationality:** Indian | **Gender:** Male | **Email address:**

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Address: 52072, Aachen, Germany (Location)

EDUCATION AND TRAINING

02/04/2024 – CURRENT Aachen, Germany
MASTER OF SCIENCE RWTH Aachen University

- Data Analysis and Visualization (Pandas, NumPy, Matplotlib, Data Cleaning, Data Wrangling)
- Machine Learning (Data Pre-Processing, Feature Engineering, Model Selection and Optimization, NLP, TensorFlow, Scikit-Learn)
- Process Mining (Celonis and RapidMiner), Mathematics and Statistics
- Knowledge of Ethics related to Technology and Data.

Website rwth-aachen.de | **Field of study** Data Science

01/08/2018 – 01/06/2022 Lucknow, India
BACHELOR OF TECHNOLOGY Dr. APJ Abdul Kalam Technical University

- Data Structure and Algorithms (Problem Solving, Design and Analysis of Algorithms, Graphs, Trees, Stacks, Linked Lists, Dynamic Programming Algorithms, Greedy Algorithms, Searching and Sorting Algorithms and Programming Languages like C, Java and Python).
- Cybersecurity (Penetration Testing, Kali Linux, Network Security, Encryption Technologies).
- DBMS, Operating Systems, Software Engineering and Web Technology.
- Professional English and Technical Communication.

Website aktu.ac.in/ | **Field of study** Computer Science and Engineering | **Final grade** 8.3

WORK EXPERIENCE

16/08/2021 – 22/03/2024 Gurugram, India
SOFTWARE ENGINEER GEMINI SOLUTIONS PVT LTD

• As a Full-Stack .NET Developer, I provided valuable contributions to a US based client's project, delivering results and insights that met their business objectives.
• Worked on various components of MIS (Management Information System).
• Developed and performed code optimization, refactoring and code cleanup for multiple functionalities.
• Tech - C#, ASP.NET MVC, HTML/CSS, JavaScript, Git, GitHub, SSMS and MySQL.

Website geminisolutions.com/

01/10/2020 – 10/01/2021 Virtual, India
WEB APPLICATION DEVELOPER APTCODER

• Developed a comprehensive UI for AptCoder from scratch.
• Tech - HTML/CSS, JavaScript and Python3

Website aptcoder.com/

PROJECTS

01/05/2024 – CURRENT
Car Price Prediction

- Website for Indian car price prediction. Provide details like City/Year of purchase, mileage , kilometers driven, engine, power, etc. and predict your car's current worth.
- Performed data cleaning, feature engineering and selection, encoding categorical variables (used one-hot encoding) and handled missing data.
- Developed and trained a linear regression model. Used pickle to serialize the trained model. Saved the model as a .pkl file for easy deployment and reuse.
- Built a user-friendly interface and connected it with the backend using Flask. Deployed the website on Google Cloud Console's App Engine for reliable service.
- Version Control - Git

Links indigo-altar-308108.uc.r.appspot.com/ | github.com/Vasu021/Car-Price-Prediction

My-TryHackMe

- Successfully pwned 44 machines and have collected 12 skill badges.
- Current Level and Badge - [8][H4CK3R]. (Peak rank 122 in India)
- Linux, Burp Suite, Wireshark, Metasploit, Network Security, OSINT and OWASP Top 10.
- Profile link and GitHub repository URL attached.

Links tryhackme.com/p/Vasu021 | github.com/Vasu021/tryHackMe

Chess Timer

- IoT based DIY Chess Timer.
- Arduino, Ultrasonic Sensor and LCD Display 16x2. Programming Language used in Arduino - C.

Link github.com/Vasu021/chess-timer

LANGUAGE SKILLS

Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Programming

I regularly engage in programming challenges and practice on platforms like DataWars, LeetCode, GFG, CodeChef, and Codeforces. I am a 6 star problem solver on HackerRank.

Links leetcode.com/Vasu021/ | hackerrank.com/profile/CaptainShekhar | profiles.datawars.io/amlendushekhar828

Chess

Outside of the tech realm, I enjoy the strategic challenges of the game of chess, which further enhances my problem-solving abilities. I also stream chess on YouTube for fun. Online rating - 1500 approximately

Links lichess.org/Vasu021 | chess.com/member/Vasu008