Astubh Mishra

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EDUCATION

Army Institute of Technology — Pune, Maharashtra
Bachelor of Engineering in Computer Science, CGPA: 8.18/10 — *Aug 2023 – Present*

Shiv Jyoti International School — Kota, Rajasthan
Class 12th: 80.5% — *Jun 2022*

EXPERIENCE

Backend Developer | Crackhunt 2.0 | *React, Django, REST Framework* | *Link* — Feb 2025
- Built a secure full-stack game platform using Django and React with 15 interactive mini-games.
- Designed RESTful APIs, implemented user authentication, scoring logic, and level unlocking.
- Served 150+ users in a competitive event, with leaderboard and user progress tracking.

PROJECTS

Email Spam Detection Model | *Python, Google APIs, Scikit-learn, Pandas, NumPy, Streamlit* | *Link* — Oct 2024 - Nov 2024
- Developed a Spam classifier using NLP and machine learning, achieving an accuracy of 90.1%.
- Integrated with Streamlit and deployed on Hugging Face.

Coalmine Lifetime Detection System | *Python, Matplotlib, NumPy, Pandas, Scikit-Learn* | *Link* — Sep 2024
- Predicts excavation safety using sensor data and threshold-based anomaly detection.
- Threshold-based anomaly detection, sensor data analysis, predictive modeling.

Sudoku Solver | *Python, Streamlit* | *Link* — Feb 2024 - Mar 2024
- Built a backtracking-based solver with Streamlit UI.
- Incorporated Data Structure and Algorithm concepts like backtracking, constraint propagation, DFS, greedy heuristics, hashing, bit-masking, and graph representation.

ACHIEVEMENTS

Competitive Programming
- Solved 350+ coding problems across various topics of Data Structures and Algorithms on Leetcode. | *Profile*

HPAIR Conference 2025 — August 2025
- Delegate at, HPAIR Asia Conference to be held from 20th to 24th August at The University of Tokyo, Tokyo, Japan.

Smart India Hackathon 2023 Winner — Dec 2023
- Developed a threat zone predictor for oil and gas industries.

SKILLS

Languages: Python, C++, JavaScript, HTML, CSS
Frameworks: Tensorflow, Pytorch, Streamlit, Tkinter
Developer Tools: Git, Docker, LaTeX, Google Cloud Platform, VS Code, Visual Studio, Blender, GraphViz, Canva, Colab
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, GoogleAPIclient
Concepts: Data Structures and Algorithms, Object-Oriented Programming, Natural Language Processing, Machine Learning, Deep Learning
Soft-Skills: Effective Communication, Team Collaboration, Adaptability, Creativity, Critical Thinking, Growth Mindset

PROGRAMMES

IDE Boot-camp Phase III by AICTE and MIC — May 2024
- Showcased our team's SIH-winning project to industry leaders from the Wadhwani Foundation and the Chairman of the Ministry of Education.

ROLE OF RESPONSIBILITY

Joint Secretary at Information Security And Digital Forensics Club — Oct 2024 – Jun 2025
- Conducted various Capture the Flag Events as the Technical Lead.
- Attended Various seminars on Network Intrusion and Safety.