

Shaunak Mishra

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leetcode.com/u/ShاونakMishra25

Languages: Python, C++, TypeScript, Java

EDUCATION

- Institute of Technical Education and Research (SOA University)** Bhubaneswar, India
B.Tech, Computer Science and Engineering — CGPA: 8.72
Sep 2023 – Jun 2027

RESEARCH EXPERIENCE

- Brain Tumor Detection Research** Bhubaneswar, India
Researcher — Under Faculty Supervision, SOA University
Sep 2024 – Present
 - Implemented 8+ deep learning architectures from original papers, benchmarking classification (CNN, ResNet, DenseNet, EfficientNet) and segmentation (UNet, UNet++, Attention UNet, DeepLabV3+) models on MRI datasets
 - Improved segmentation performance by fine-tuning DeepLabV3+ with EfficientNet and MobileNet backbones, enabling comparative analysis across architectures
 - Authored research paper currently in preparation for submission to a peer-reviewed conference/journal

EXPERIENCE

- Founding Engineer** Remote
Mentomania
Dec 2025 – Mar 2026
 - Designed and built complete frontend UI/UX for a government exam mentorship platform, delivering full product from design to deployment
 - Increased development velocity by integrating frontend with backend APIs, reducing cross-team dependency on UI changes
 - Tech:** React, TypeScript, Tailwind CSS, Git
- Frontend Developer** Remote
CN Nexus — Coding Ninjas Club, SOA University
Jun 2025 – Aug 2025
 - Improved problem discovery speed by 30% by building topic-wise categorization and memoized search filters for a DSA platform aggregating LeetCode, GFG, and Codeforces
 - Delivered 10+ reusable components and resolved 15+ UI/logic bugs, improving navigation stability for 50+ active users
 - Integrated frontend with REST APIs and contributed to open-source codebase at github.com/ShاونakMishra25/Nexus-E1
 - Tech:** React, TypeScript, Tailwind CSS, REST APIs, Git

OPEN SOURCE CONTRIBUTIONS

- Contributor — openfoodfacts-nodejs** PR #646 — merged into v2.0.0-alpha.8
Added `getProductImageFolder()` to production SDK used globally
Jun 2025
 - Reduced image URL hardcoding for developers by implementing 3-digit barcode split convention for dynamic product image folder generation
 - Wrote unit tests and iterated through full code review cycle; change shipped in production release

PROJECTS

- leetsync-organizer (GitHub):** Reduced manual organization time to zero by building a Python tool that auto-categorizes LeetCode solutions into difficulty folders via GitHub Actions on every push
- DSA Practice (GitHub):** 250+ problems solved in C++ covering Arrays, Dynamic Programming, Graphs, Trees, and Binary Search

SKILLS

- ML / DL:** CNNs, UNet, UNet++, Attention UNet, DeepLabV3+, Image Segmentation, Classification, Transfer Learning
- Tools:** Git, Jupyter, OpenCV, GitHub Actions, Postman, VS Code
- Currently Learning:** Backend systems from first principles, Distributed systems, System design

LEADERSHIP & AWARDS

- Chess:** Runner-Up, SOA University Chess Tournament 2024 & 2025
- Hackathon:** Smart India Hackathon 2025 — Problem Statement #95
- Certification:** IBM Introduction to Software Engineering — Coursera (2024)