Khushal Mishra

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Technologies

Languages : C, Java, Python, JavaScript, TypeScript, SQL, Bash Scripting
Frameworks & Libraries : React.js, MongoDB, Node.js, Express.js, Tailwind CSS, Puppeteer
DevOps : AWS, GCP, Docker, Kubernetes Clusters, CI/CD, Agile, Git, Scrum, Kanban
Core Concepts : Data Structures, Algorithms, Object-Oriented Programming (OOP), REST APIs
OS : Linux (Ubuntu , CentOS)

Projects

Bloom-Filter   Github ⧉

- Architected a full stack app that uses **FNV-1a hashing, demonstrating data structure efficiency by reducing memory usage by 98%**, crucial for a low-latency environment.
- Implemented that **achieves 98% memory efficiency (9.6KB/10,000 items) with 1% false positive rate**.
- Tools used: JavaScript, Node.js, Express.js, REST API

Internshala Automation Tool   Github ⧉

- Built an **automatic tool using Puppeteer to streamline** the internship application process, reducing the manual application time by up to 90%.
- **Automated 10+ internship applications during testing**, significantly improving the efficiency of the application.
- Tools used: Puppeteer, JavaScript

Plant Home Website   Github ⧉

- Activated on **AWS-Amplify**.
- Developed a **modern, responsive e-commerce website dedicated to bringing the beauty of nature to your home.**.
- A curated range of indoor plants, care guides, and top-notch customer support to help all plant enthusiasts create their ideal green space.
- Tools used: ReactJS, Tailwind-CSS, TypeScript, Express, Zod.

Experience

Girl Script Foundation, Contributor   Aug 2025 - Oct 2025

- Contributing to multiple projects featured on GSSoC'25 platform.
- Gained Hands-on Experience in open source, including Code-collaboration, issue-tracking and pull request management.

Oasis Infobyte, Java Developer   Aug 2025 - Sep 2025

- Gained significant experience in Java programming and application development. Improved skills in database management and problem-solving.

Certifications

Oracle Certified DevOps Professional Link ⧉
Oracle Certified AI Foundation Associate Link ⧉
Google Certified AI Generative Link ⧉

Education

B.Tech, DIT University, Dehradun, Uttarakhand   Aug 2022 – May 2026

- Computer Science & Engineering | CGPA: **8.04 / 10.0** ⧉

12,   **Silver Oak School**, Alwar, Rajasthan   Mar 2021 – Mar 2022

- CBSE | Grade: 86.6%

10,   **Silver Oak School**, Alwar, Rajasthan   Feb 2019 – Feb 2020

- CBSE | CGPA: 90.8%