KHUSHAL MISHRA

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SKILLS

Frameworks & Libraries	React.js, MongoDB, Node.js, Express.js, Tailwind CSS, Puppeteer
Languages	C , C++ , Java , Python , JavaScript , SQL, Bash Scripting
Developer Tools &Platforms	AWS EC2, Google Cloud Platform, Docker, Kubernetes, Git
Core Concepts	Data Structures, Algorithms, Object-Oriented Programming (OOP), REST APIs
Operating Systems	Linux (Ubuntu , CentOS)

PROJECTS

Blooming-Filter | GitHub
- Architected a full-stack app **leveraging FNV-1a hashing, demonstrating data structure efficiency by slashing memory usage by 98%**, crucial for low-latency environment,
- Engineered a **Bloom Filter implementation that achieves 98% memory efficiency (9.6KB/10,000 items) with 1% false positive rate.**
- Tech Stack: **JavaScript, Node.js, Express.js, REST API**.

Internshala Automation Tool | GitHub
- Built an **automation tool using Node.js, JavaScript, and Puppeteer to streamline** the internship application process, reducing manual application time by up to 90%.
- **Automated 10+ internship applications autonomously during testing**, significantly improving application efficiency through **end-to-end development and debugging in production-ready environment.**
- Tech Stack: **Puppeteer, JavaScript**

PortFolio-Website | GitHub
- Developed a **100% responsive and Modern UI/UX design website using HTML5, CSS3, JavaScript, and modern frontend libraries** to showcase projects, skills, and achievements.
- **Integrated EmailJS to enable real-time contact form submissions**, Improved communication pipeline.
- Implemented interesting features such as a **graduation countdown timer**, improving engagement and personalization.
- Tech Stack: **ReactJS ,Tailwind-CSS, EmailJS**.

EDUCATION

Bachelor of Technology in CSE, DIT University, Dehradun　　　　　　　　　August 2022 - Expected May 2026
CGPA: 8.04 (till 6th semester) | Coursework : Full Stack Development, DevOps
Senior Secondary (12) , Silver Oak School, Alwar　　　　　　　　　　　　　Febuary 2021 - March 2022
Grade: 86%
Secondary (10) , Silver Oak School, Alwar　　　　　　　　　　　　　　　　March 2019 - March 2020
Grade: 92%

ACADEMIC EXPERIENCE

Technical Team

Microsoft x DIT Club　　　　　　　　　　　　　　　　　　　　　　　　　*DIT University, Dehradun*
- Contributed in 10+ college tech community events, fostering collaboration and knowledge-sharing among peers through workshops.
- Contributed to group projects and discussions, enhancing problem-solving skills.

ACADEMIC ACHIEVEMENTS

- Certificate on Programming with JavaScript by Meta.
- Certificate on Introduction to Software Engineering by IBM.
- Certificate on Google AI Essentials by Google.