RUTUJA SHINGATE

Corvallis,Oregon | +1(541)-286-2504 | | shingatr@oregonstate.edu

ACADEMIC QUALIFICATION

Oregon State of University   **Corvallis, USA**

Masters in Computer Science, 3.87 GPA out of 4.0   *September 2023 - Present*

Coursework: Machine Learning, Intelligent Agents and Decision Making, Deep Learning

Marathwada Mitramandal Institute of Technology   **Pune, India**

Bachelor of Computer Engineering, 3.62 GPA out of 4.0   *August 2019 - July 2023*

Coursework: Data Structures and algorithms, Blockchain, Machine Learning, Computer Networks

WORK EXPERIENCE

Django Web Developer Intern, College Ranker, India   *Jan 2023-April 2023*

- Participated in a dynamic learning-focused internship, engaging in all aspects of web development from conceptualization to deployment. Gained hands-on experience in creating fully functional end to end web applications for Ed tech startup.
- Conducted regular maintenance and troubleshooting on AWS, applying newly acquired skills to enhance application functionality integrating payment portals and notification system.

ACADEMIC PROJECTS

HELIO: Health Monitor System   *October 2022 – Jan 2023*

- Created an Angular-based UI for a health monitoring app with Django backend and Integrated machine learning to predict sleep patterns and provide personalized water break alerts.
- Designed a sleek and user-friendly interface, providing comprehensive health insights, and paving the way for ongoing advancements in health monitoring technology.
- Integrated personalized fitness targets, a calorie tracker, and a proactive hydration reminder system, fostering balanced lifestyles and informed decision-making.

Work Prism: A Work Compliance System (Published)   *September 2022 – May 2023*

- Developed a generic workflow management application for our institute, facilitating task assignment among employees and providing high authorities with comprehensive visual reports.
- Integrated Cloud Armor, load balancers and scaling using Kubernetes, added IP protection.
- Enhanced API response time and functionality by refining database queries and implementing efficient indexing, resulting in improved application performance and responsiveness.

Monitoring Sundarbans: Satellite Insights into Coastal Ecosystem Health   *September 2022 – May 2023*

- Led comprehensive research leveraging open-source Sentinel satellite data and the powerful analysis capabilities of Google Earth Engine to investigate the complex dynamics of the Sundarbans coastal ecosystem.
- Utilized advanced remote sensing techniques to assess vegetation health, monitor water quality variations, and track changes in land cover over time. Findings provided valuable insights into the ecological resilience and conservation needs of this critical coastal habitat.

TECHNICAL SKILLS

- UI Designer Tool: Figma, Adobe XD
- Languages: Python, TypeScript, HTML, C++, JavaScript
- Frameworks: Django, Angular, Bootstrap, TailWind CSS
- Databases: MySQL, PostgreSQL

EXTRACURRICULAR ACTIVITIES

- Training and Placement Student Coordinator at College (MMIT, Pune), '22 - '23
- Campus Ambassador (MMIT, Pune) for Internshala, '21
- Secured 1st position in Throwball, '22, '23 and 2nd position, '21.
- Cultural Secretary at College(MMIT,Pune), '24