AISHWARYA DEV

WEBSITES, PORTFOLIOS, PROFILES

- https://aishwaryadev3011.netlify.app/
- https://www.linkedin.com/in/aishwaryadev3011/
- https://github.com/Aishwarya3011

SUMMARY

- Software Engineer with over 3.5 years of experience as a Full Stack Developer, System Engineer.
- Pursuing Master of Science in Computer Science at UCLA
- Interested in Software Engineering including **Web and Mobile development** , Data Science and Artificial Intelligence including **Machine Learning,** and **Algorithm Development, and Optimization**

PROFESSIONAL EXPERIENCE

Software Engineer Intern
Illumina Inc | San Diego, CA | June 2022 - September 2022

- Developed a **UI benchmarking tool** for sequencing animations and graphics performance profiling under different hardware and customizable configurations.
- Collaborated with the Illumina "Dragen" team on **DNA sequencing for disease predictions.**

Full Stack Developer
Tata Consultancy Services | Pune, India | August 2019 - September 2021

- Analyzed software requirements, designed development wireframes, **developed, integrated, and deployed software.**
- Built **UI** and **UX** for a proprietary **cloud services management portal.**
- Designed **DB schemas** and spearheaded **database management on relational databases.**
- Developed **application back-end** by creating REST APIs.
- Wrote **Unit, Component, and Contract test cases** and performed **Penetration / Load testing** to ensure site's **security and response time/ downtime.**
- Worked on **test-case automation** for a **50% reduction in the manual testing effort.**
- Delivered **product walkthrough to clients**, designed software release notes, user manuals, **reviewed code** and **trained new team members**.
- Ensured timely release of bug-free software resulting in **30% fewer bugs** compared to first release enabling greater code compliance and **expedited software delivery.**

System Engineer
Tata consultancy services | Pune, Maharashtra | April 2018 - July 2019

- **Managed applications and administered servers** for Offshore operations management for a European Bank.
- Collaborated in **applications migration** from on-premise bank servers **to Azure** resulting in **25% added productivity.**

CONTACT

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- 📍 Los Angeles, United States 90024

EDUCATION

Master of Science
Computer Science
University of California, Los Angeles (UCLA), Los Angeles, CA
Second year student, started program in Fall 2021
Expected in April 2023

Bachelor of Engineering
Electronics and Communication
Medi-caps Institute of Technology And Management, Indore, Madhya Pradesh, India
April 2018

SKILLS

- Programming Languages: JavaScript, TypeScript, C#, Python
- JS Frameworks: React, Angular
- Node.js
- UX: Bootstrap, Sass
- .NET framework
- SOAP and RESTful Web Services
- Machine Learning: PyTorch, Tensorflow
- Python Libraries
- Database: Firebase, Oracle
- RDMS Development and SQL
- Source and Version Control: Git, Github
- Linux
- Agile/Scrum Methodology
- Azure DevOps
- Cloud: Microsoft Azure

ACCOMPLISHMENTS

- **Multimodal Sarcasm Generation:** A novel unsupervised approach of sarcasm generation from images

- **Trained and Assisted a new team** in ensuring application monitoring, and troubleshooting issues resulting in a **50% workload distribution across teams.**
- **Optimized, Enhanced** existing code, and implemented best practices for **application management and server optimization.**

ACTIVITIES AND HONORS

- Member of Google Developers Group - North America
- Hackathon judge at Sachacks 2022, an intercollegiate hackathon. https://sachacks-iv.devpost.com/,
- Tech Ambassador at Google Women Techmakers.
- UCLA Computer Science - Graduate Student Association, Member and Moderator.
- Volunteered for a non-profit named SD squared for rendering predictive demographics, creating automations and generating visualizations for Monday.com.
- Certificate of Academic Excellence recipient from Education Minister of India, Hon. Kapil Sibal.

using CV, NLP and NLG.
- **Time Series Analysis** and Price Forecasting for Monero,
- **Robustness evaluation** of Machine Learning models with additive random gaussian noise defense using ensemble of attacks.
- **Neurophysics:** Unsupervised learning for quantifying neural activity of a rat's brain.
- **Computational Genomics:** RNNs for Gene Coexpression from SC RNA-seq expression data for gene-gene relationships and causality inference predictions.
- **Computer Vision:** Pedestrian detection with SSD and deformable convolutional layers using fine tuned CNN.
- **Network Security** attacks in a MANET using NS-2 in Ubuntu 16.0 for throughput, PDR, efficiency analysis before and after preventive routing protocols such as AODV and DSDV.