AYUSHI GUPTA

Cupertino, CA | (425) 961-3136 | ayushigupta8@gmail.com | linkedin.com/ayushiee | github.com/ayushiee

EDUCATION

Oregon State University Jun 2023
Master of Science, Computer Science | GPA: 3.7/4 *Corvallis, OR*
Relevant Coursework: Algorithms, Software Engineering Methods, Causal Inference for AI, Database Management Systems, Theory of Computation.

Jaypee Institute of Information Technology Jun 2021
Bachelors of Technology, Computer Science and Engineering (with Honors) | GPA: 8.7/10 *Delhi NCR, India*

SKILLS

Programming	Python, TypeScript, JavaScript, PostgreSQL, React Native, Swift, C.
Database	MySQL, PostgreSQL, MongoDB.
Frontend Development	ReactJS, NextJS, CSS/Sass.
Other	Git, Shell, Bash, Firebase, Docker, Kubernetes, Linux, AWS.

EXPERIENCE

Apple, CoreOS Software Engineer Jul 2023 - Present
Technologies used: Python, Linux, Bash, C, Swift. *Cupertino, CA*

- Working with the Core Darwin Team. Focused primarily on Darwin XNU kernel, kernel debugging, and automation pipelines.

Oregon State University, Graduate Research Assistant Sept 2021 - June 2023
Technologies used: Linux, LaTeX, R&D skills. *Corvallis, OR*

- Worked with Dr. Jennifer Parham-Mocello on the NSF CSForAll grant.

Apple, Software Development Engineering Intern June 2022 - Sept 2022
Technologies used: Python, Linux, PostgreSQL, Kubernetes, Docker *Cupertino, CA*

- Worked with the Core Darwin team.

Zubi (edTech startup), Frontend Developer Intern Feb 2021 - Aug 2021
Technologies used: Typescript, React, React Native, Redux. *Delhi, India*

- Developed UI and integrated APIs for web and mobile applications; grew user base to 25k+.
- Engineered Progressive Web App support for web application, boosting SEO by 45%.
- Collaborated with broader engineering team to prioritize features and resolve issues in the product.

Amazon India, SDE Trainee at Amazon Campus Mentorship Series (ACMS) Feb 2020 - Aug 2020
Technologies used: React, Python. *Delhi, India*

- Designed and built a package pickup hub classification responsive web application using React.
- Performed comparative analysis to find the most suitable multi-label classification algorithm.

PUBLICATIONS

J. Parham-Mocello and **A. Gupta**, **"Using the Technology Acceptance Model to Understand Intention to Use a CS-Based Curriculum,"** *2023 IEEE Frontiers in Education Conference (FIE)*, College Station, TX, USA, 2023, pp. 1-9, doi: 10.1109/FIE58773.2023.10343359.

J. Parham-Mocello, G. Berliner and **A. Gupta**, **"Manipulatives for Teaching Computer Science Concepts,"** *2023 IEEE Frontiers in Education Conference (FIE)*, College Station, TX, USA, 2023, pp. 1-9, doi: 10.1109/FIE58773.2023.10343500.

S. Singh, J. Jindel, V.A. Tikkiwal, M. Verma, **A. Gupta**, A. Negi & A. Jain, **"Electric vehicles for low-emission urban mobility: current status and policy review for India"**, *2022 International Journal of Sustainable Energy*, 41:9, 1323-1359, DOI: 10.1080/14786451.2022.2050232.

A. Gupta, C. Gandhi, V. Katara and S. Brar, **"Real-time video monitoring of vehicular traffic and adaptive signal change using Raspberry Pi"**, *2020 IEEE Students Conference on Engineering & Systems (SCES)*, Prayagraj, India, 2020, pp. 1-5, doi: 10.1109/SCES50439.2020.9236731.