Moin Palekar

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EDUCATION

Arizona State University Arizona, Tempe
Masters of Science, Computer Science

2025-2027

Pune Institute of Computer Technology, SPPU Pune, India
Bachelor of Engineering, Information Technology

2021-2025

WORK EXPERIENCE

Xebia Pune, India

SDE Intern 2/24 - 4/24
- Built scalable web and AI-driven backend systems deployed to production and used by real users.
- Designed and deployed distributed backend services in Node.js, Python, and C++, improving API latency by 18%.
- Developed and tested RESTful APIs powering real-time data retrieval for client-facing applications.
- Automated testing and release pipelines using Docker, AWS ECS, and Git CI/CD, supporting rapid iteration and deployment.
- Built live dashboards for system monitoring and debugging, reducing issue diagnosis time by 30%.
- Collaborated with product and design teams in an Agile environment, shipping features quickly with reliable documentation and releases.

Arizona State University Tempe, AZ

Grader, GCU 113 9/25 – present

- Evaluated 200+ undergraduate essays, maintaining grading consistency and delivering constructive feedback to improve clarity and reasoning.
- Coordinated with faculty and managed analytics via Canvas LMS and Google Sheets for real-time progress tracking.

ACADEMIC RESEARCH

Pune Institute of Computer Technology Pune, India

1/25 – 7/25

Final Year Project
- Built a modular recommendation engine integrating control simulation logic and real-time visualization tools.
- Designed cloud-based ingestion and benchmarking pipelines with AWS Lambda and S3 for scalable experimentation.
- Optimized backend data structures, improving runtime efficiency by 20% under dynamic load.
- Authored comprehensive system documentation on architecture and reproducibility.
- Obtained the highest grade "O" which means "Outstanding" for this project.

PUBLICATIONS

- Patent: Adaptive Cloud Resource Optimization Using AI-Driven Dynamic Load Balancing and Predictive Scaling
- Contributed to system design, technical writing, and scalability logic.

SKILLS AND TOOLS

Python, C++, JavaScript, Node.js, React, REST APIs, SQL, Git, Docker, AWS, Linux, CI/CD, Testing, Agile Development, HTML, CSS, Data Structures, Algorithms, Debugging, Microservices, Software Design, Collaboration, Communication