Rucha Dnyaneshwar Nandgirikar

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EDUCATION

California State Polytechnic University, Pomona
Master of Science in Computer Science, **Cumulative GPA: 4.00/4.00**   *Expected May 2025*
Relevant Coursework: Advanced Computer Architecture, Advanced Algorithm Design and Analysis, Advanced Software Engineering, Parallel and Distributed Systems, Human Computer Interaction, Graduate Seminar

MKSSS's Cummins College of Engineering for Women, Pune
Bachelor of Technology, **Cumulative GPA: 3.34/4.00**   *May 2020*
Relative Coursework: Data Structures, Operating Systems, Computer Networks, Database Management Systems, Statistics in Computer Science, Artificial Intelligence and Machine Learning, Data Warehousing and Data Mining

PROFESSIONAL EXPERIENCE

California State University, Office of the Chancellor,
Research Assistant and Intern | **Pomona, CA**   *October 2023 – Present*
- Enabled stakeholders to track student progress and identify opportunities, to engage in productive, action-oriented discussions focused on student success, by building the reports landing page in the **PHP Laravel framework** for the CSU SSD.
- Facilitated holistic student engagement that enables stakeholders to connect academic and demographic data with real student experiences by implementing the **frontend (UI)** for the student stories landing page and student testimonial videos module for the CSU Student Success Dashboard.
- Enhanced overall performance and user experience by resolving multiple **web development** tickets for the CSU SSD.

Optum Global Solutions Private Limited,
Associate Software Engineer II | **Hyderabad, India**   *July 2020 – August 2023*
- Equipped the Edith tool to assess each project's readiness for cloud deployment with a 90%+ Sonar Quality Gate pass rate, achieved by writing **Java backend APIs and MongoDB queries.**
- Collaborated with the client to gather requirements, enabling managers to add courses for their resources and perform bulk edits— a full stack feature built and deployed into the App 360 resource management portal using **SQL, Angular.js, and Java.**
- Contributed to the creation of coalitions that generate role-based GitHub repositories, CI/CD pipeline integrations, and Microsoft Teams channels by developing **Angular components**.
- Streamlined appointment scheduling and video consultations for patients, care teams, and providers within the Optum Virtual Care Portal (OVCP) by developing **Angular components and GraphQL endpoints** with cross-functional teams.
- Successfully onboarded and trained interns in **Angular fundamentals**, offering guidance on assigned tasks and supporting them in optimizing solutions for the OVCP project.
- Improved interoperability and data accessibility, for efficient data conversion and analysis, by developing **Java APIs in Spring Framework** to analyze healthcare data (FHIR) and optimizing conversion from XML to JSON using **dot liquid templates.**

PROJECT EXPERIENCE

California State Polytechnic University, Pomona,
Research Assistant and MSCS Student | **Pomona, CA**   *October 2023 – Present*
- Generated data-driven insights for the **hapii lab** to compare non-standard graphs of the CSU Student Success Dashboard with standard graphs by conducting experiments and analyzing participant responses, by building a **full stack web application using Express.js, HTML and CSS** under the guidance of Professor Dr. Ben Steichen.

MKSSS's Cummins College of Engineering for Women, Pune
B Tech Student | **Pune, India**   *October 2019 – May 2020*
- Enhanced computational thinking and student recognition for Indian school students by creating the online/offline Bebras Challenge platform and an automated certificate generator, by building a **full stack web application using React and Django REST Framework**, sponsored by SoftCorner and CSpathshala.

TECHNICAL SKILLS
- **Languages:** Java, JavaScript, HTML, CSS, Python, PHP
- **Frameworks and Tools:** Spring Boot, Django REST, Laravel, REST API, Angular, React, NodeJS, IntelliJ, Visual Studio, Git
- **Certifications:** AWS Certified Cloud Practitioner (CLF-02)

ACHIEVEMENTS AND AWARDS
- 100 Days Leetcode Badge 2024
- Bravos at Optum for exceptional work, team-building, and performance
- Build Responsive Real-World Websites with HTML and CSS course on Udemy along with hands-on project: **Omnifood**
- The Ultimate MySQL Bootcamp: SQL Beginner to Expert course on Udemy along with hands-on assignments: **MySQL Hands-on Assignments and Challenges**