VISHNU PRIYAN BHASKAR

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Executive Summary

I am a motivated and detail-oriented graduate student in computer science with hands-on experience in web backend development, Android app design, and virtualization technologies. Skilled in solving real-world problems through technical innovation and collaborative teamwork. Solid foundation in data structures, object-oriented programming, and agile development. I am actively seeking software engineering roles to contribute to impactful projects and continue learning cutting-edge technologies.

Work Experience

Graduate Teaching Associate—Computer Networks | CSUF Aug 2024 - Present

- Led lab sessions and tutorials for undergraduate computer networking students
- Supported instruction on protocols, routing, latency, and end-to-end communication models
- Helped design quizzes and provided one-on-one academic guidance

Graduate Student Assistant – ECS Dean's Office (Web Engineering) | CSUF Jan 2025 - Present

- Assisted in backend development for CSUF's Engineering student portal
- Implemented scalable APIs, improved system performance, and resolved bugs in a production environment
- Integrated academic services to enhance student access and user experience
- Contributed to Agile sprints through feature development and peer code reviews

Projects

RGB Color Mixer App (Kotlin, Jetpack Compose)

- Created a responsive Android app with real-time color mixing via sliders and text inputs
- Integrated editable number fields, landscape support, and reset functionality for usability

Dish Dash—Agile-Based Food Ordering System

- Developed an end-to-end mobile food ordering system using Agile and Scrum
- Analyzed burndown, burnup, and control charts for team performance reflection
- Focused on time/resource optimization and future roadmap analysis

Mental Health Chatbot (Python, NLP)

- Built a chatbot to offer mental wellness support using keyword-based logic and custom prompts
- Ensured user safety and privacy with emergency redirection and rule-based filters

Technical Skills

- Languages: Python, Kotlin, Java, C++, JavaScript
- Frameworks/Tools: Jetpack Compose, Android SDK, React, Node.js, Git, Docker, Firebase, Figma
- Core Competencies: OOP, Backend Development, Agile/Scrum, System Design, Networking Protocols
- Concepts: Virtualization (Xen, Firecracker), Operating Systems, Software Measurement, Full Stack Engineering

Education

Master of Science in Computer Science California State University, Fullerton — Expected May 2025

- Relevant Courses: Advanced Operating Systems, Computer Networks, Software Measurement
- Activities: Member, ACM Chapter • Research on Virtualization and Distributed Systems

- Authorization: Eligible to work in the U.S.