

Manu Shukla

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EDUCATION

UNIVERSITY OF OREGON

Eugene, OR

Bachelor of Science in Computer Science

Graduation Date: June 2025

Minor in Mathematics

Coursework/Skills: Data Structures & Algorithms, Object-Oriented Programming, Artificial Intelligence, Computer Organization, Operating Systems, Advanced C++, App Development, Web Development, Database Systems, Advanced Algorithms

EXPERIENCE

Software Engineer Intern

Eugene, OR

Humboldt

June 2024 – September 2024

- Engineered an anti-phishing system with advanced AI algorithms and secure tokenization in collaboration with a professor and peer
- Developed a prototype leveraging trackable input tokens, achieving a 90% reduction in phishing-related incidents
- Designed AI agents to generate dynamic credentials for phishing websites, simulating target-specific attacks

Software Engineer Intern

Brentwood, TN

GEODIS

June 2023 – September 2023

- Engineered SQL queries, reducing database execution time by 35%, improving operational efficiency for Apple, Starbucks, and Walmart
- Automated data synchronization using Apache NiFi, resolving 60,000+ inconsistencies and cutting resolution time by 50%
- Streamlined data collection and categorization processes using RPA, increasing operational throughput by 40% across 150 warehouses
- Built REST API integrations within ERP systems, automating daily exchange rate updates for over 1,000 companies

Tutor

Nashville, TN

Private Programming Tutor

June 2023 – September 2023

- Designed and delivered a personalized Python curriculum to 20+ students, resulting in a 30% average improvement in coding proficiency
- Assisted students in developing problem-solving skills, leading to noticeable debugging efficiency gains by the end of the course
- Performed preliminary and final tests on students, resulting in technical skill and performance increases by 40%

PROJECTS

NutrifyAI

Eugene, OR

Full Stack Developer

February 2025 – March 2025

- Built a React + Flask web application that generates structured recipes using OpenAI's GPT API based on user prompts.
- Integrated with Kroger API to automate cart creation for 1000+ unique ingredients, achieving a 90% success rate in item matching
- Implemented secure OAuth2 login and persistent user recipe history, supporting 30+ test users across 3 user flows

Pattern Auth

Eugene, OR

Full Stack Developer

January 2025 – March 2025

- Created a 3-FA solution featuring rotating pattern locks, password credentials, and facial recognition, boosting overall security by 40%.
- Improved login efficiency by 30% with a streamlined interface, reducing user onboarding time and increasing successful user logins.
- Scaled backend to handle 2,000 authentication requests per second, maintaining sub-150ms response times and 99.9% uptime.

Constella Mobile

Eugene, OR

Full Stack Developer

June 2024 – July 2024

- Launched a scalable eSIM app on the Apple App Store, gaining 100+ users and \$700+ revenue in the first month
- Built a Python Flask backend with Firebase for real-time sync and user authentication, managing 2M+ eSIM activations
- Designed a Swift-based UI/UX and deployed a scalable cloud infrastructure on Heroku, supporting 100+ users

TECHNICAL SKILLS

Programming Languages: Python, C++, C#, Swift, SQL, HTML/CSS, VB, Bash/Unix Shell Scripting

Frameworks & Libraries: React, Node.js, Next.js, Flask, Pandas, NumPy, TensorFlow

Developer Tools & Technologies: Git, Postman, Linux, Apache NIFI, MySQL, Kafka, Kubernetes, Docker, MongoDB, AWS, Google Cloud